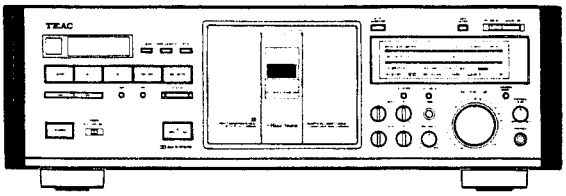
TEAC®



SERVICE MANUAL

V-7010/V-5010

Stereo Cassette Deck

NOTES

- PC boards shown are viewed from parts side.
- Parts marked with ＊ require longer delivery time.
- The parts with no reference number or no parts number in the exploded views are not supplied.
- As regards the resistors and capacitors, refer to the circuit diagrams contained in this manual.
- ⚠Parts marked with this sign are safety critical components. They must be replaced with identical components - refer to the appropriate parts list and ensure exact replacement.
- Parts of [ ] mark can be used only with the version designated.
  [J]:JAPAN [US]:U.S.A. [C]:CANADA [GE]:GENERAL EXPORT
  [E]:EUROPE [UK]:U.K. [A]:AUSTRALIA

注　意

- プリント基板図は部品面が示されています。
- ＊印の部品は納期が若干かかります。あらかじめご了承ください。
- 分解図に部番のない部品及び品番のない部品は供給しません。
- 標準の抵抗、コンデンサーは省略してあります。回路図を参照してください。
- ⚠印は安全重要部品です。交換する時は必ずティアック指定の部品を使用してください。
- 仕向先
  [J]:JAPAN [US]:U.S.A. [C]:CANADA [GE]:GENERAL EXPORT
  [E]:EUROPE [UK]:U.K. [A]:AUSTRALIA

Effective : September, 1992

5704060900

1 SPECIFICATIONS

Track System: 4-track, 2-channel stereo
Heads: 3: 1 erase, 1 record and 1 playback (combination)
Type of Tape: Cassette tape C-60 and C-90 (Philips type)
Tape Speed: 4.8 cm/sec. (1-7/8 ips)
Motors: 4
V-7010
1 brushless quartz locked PLL servo DC motor (for capstan drive)
1 DC motor (for reel drive)
1 DC motor (for mechanism drive)
1 DC motor (for power loading)
V-5010
1 DC servo motor (for capstan drive)
1 DC motor (for reel drive)
1 DC motor (for mechanism drive)
1 DC motor (for power loading)
Wow and Flutter (WRMS)
0.022 % (V-7010), 0.027 % (V-5010)
Frequency Response (Overall): -20 dB
15 – 21,000 Hz ±3 dB metal tape
15 – 20,000 Hz ±3 dB CrO_2 tape
15 – 18,000 Hz ±3 dB normal tape
Signal-to-Noise Ratio (Overall)
60 dB (NR OFF, 3% THD level, weighted)
70 dB (Dolby B in, over 5 kHz)
80 dB (Dolby C in, over 1 kHz)
Fast Winding Time: Approximately 85 seconds for C-60

Inputs: Line: 60 mV, 50k ohms
CD Direct: 110 mV, 50k ohms
Outputs: Line: 0.44 V for load impedance of 50k ohms or more
Headphones: 2 mW (max.) 8 ohms
Power Requirements: 100/120/220/240 V AC, 50-60 Hz (general export models)
120 V AC, 60 Hz (U.S.A./Canada)
220 V AC, 50 Hz (Europe)
240 V AC, 50 Hz (U.K./Australia)
Power Consumption: 20 W (V-7010), 18 W (V-5010)
Dimensions (W x H x D)
472 x 149 x 355 mm (including side panels) (V-7010)
(18-9/16" x 5-7/8" x 14")
435 x 149 x 355 mm (V-5010)
(17-1/8" x 5-7/8" x 14")
Weight: 9.8kg (21.6 lbs.) (including side panels) (V-7010)
8 kg (17.7 lbs.) (V-5010)
Standard Accessories:
RC-394 (V-7010), RC-393 (V-5010), Batteries (SUM-3, "AA", "R6" type) x 2, Input-output connection cords, Side panels (mounted) V-7010 only.

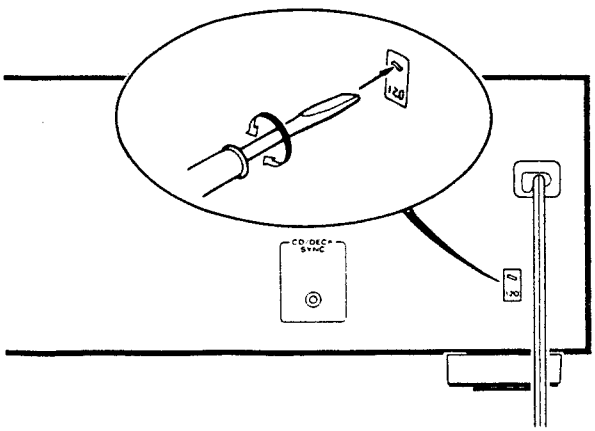
- Specifications were determined using metal tape except where noted.
- Improvements may result in specifications or features changing without notice.
- Photos and illustrations may differ slightly from production models.

VOLTAGE CONVERSION

(General Export Models only)

If it is necessary to change the voltage selector of the deck to be suitable for your area, use the following procedure :

1. Disconnect the power cord.
2. Using a screwdriver, turn the selector until the required voltage marking appears.



仕 様

トラック形式	4トラック2チャンネル・ステレオホニック方式	
ヘッド構成	3ヘッド：消去ヘッド×1，録音×1・再生×1 コンビネーション・ヘッド(固定式)	
使用テープ	C-60，C-90タイプ カセット・テープ	
テープ速度	4.8センチ	
モーター	V-7010 キャプスタン：ブラシレスクォーツロック PLLサーボDCモーター×1 リール：DCモーター×1 メカニズム：DCモーター×1 パワーローディング：DCモーター×1	V-5010 キャプスタン：DCサーボモーター×1 リール：DCモーター×1 メカニズム：DCモーター×1 パワーローディング：DCモーター×1
ワウ・フラッター	<V-7010>：0.022%(W.RMS)，±0.04%(W.Peak)*	
	<V-5010>：0.027%(W.RMS)，±0.048%(W.Peak)*	
周波数特性(総合)	15Hz～21,000Hz±3dB*：メタル 15Hz～20,000Hz±3dB*：クローム 15Hz～18,000Hz±3dB*：ノーマル	
総合SN比	58dB(NR OFF，規定録音レベル)* 70dB(ドルビーB NR ON CCIR/ARM) 80dB(ドルビーC NR ON CCIR/ARM)	
早巻時間	C-60テープで約85秒	
入力	ライン：97mV(入力インピーダンス50kΩ) CDダイレクト：155mV	
出力	ライン：0.69V(負荷インピーダンス50kΩ以上) ヘッドホン：2mW(8Ω)	
電源	100V AC，50－60Hz	
消費電力	20W<V-7010>，18W<V-5010>	
外形寸法	472(幅)×149(高さ)×355(奥行)mm(サイドパネル含む)<V-7010> 435(幅)×149(高さ)×355(奥行)mm<V-5010>	
重量	9.8kg<V-7010>　8kg<V-5010>	
付属品	入出力コード2本(1組)，リモコンRC-394<V-7010>，RC-393<V-5010>，乾電池(単3)×2	

- この仕様は特に表示した項目を除き，当社基準テープを使用して測定したものです．
- 仕様および外観は，改善のため予告なく変更することがあります．
- FM放送やレコード，コンパクトディスクなどから録音したものは，個人的に楽しむなどのほかは，著作権法上の権利者に無断で使用できません．
- ＊印は，日本電子機械工業会(EIAJ CP-2311)規格に定められた測定法によるものです．

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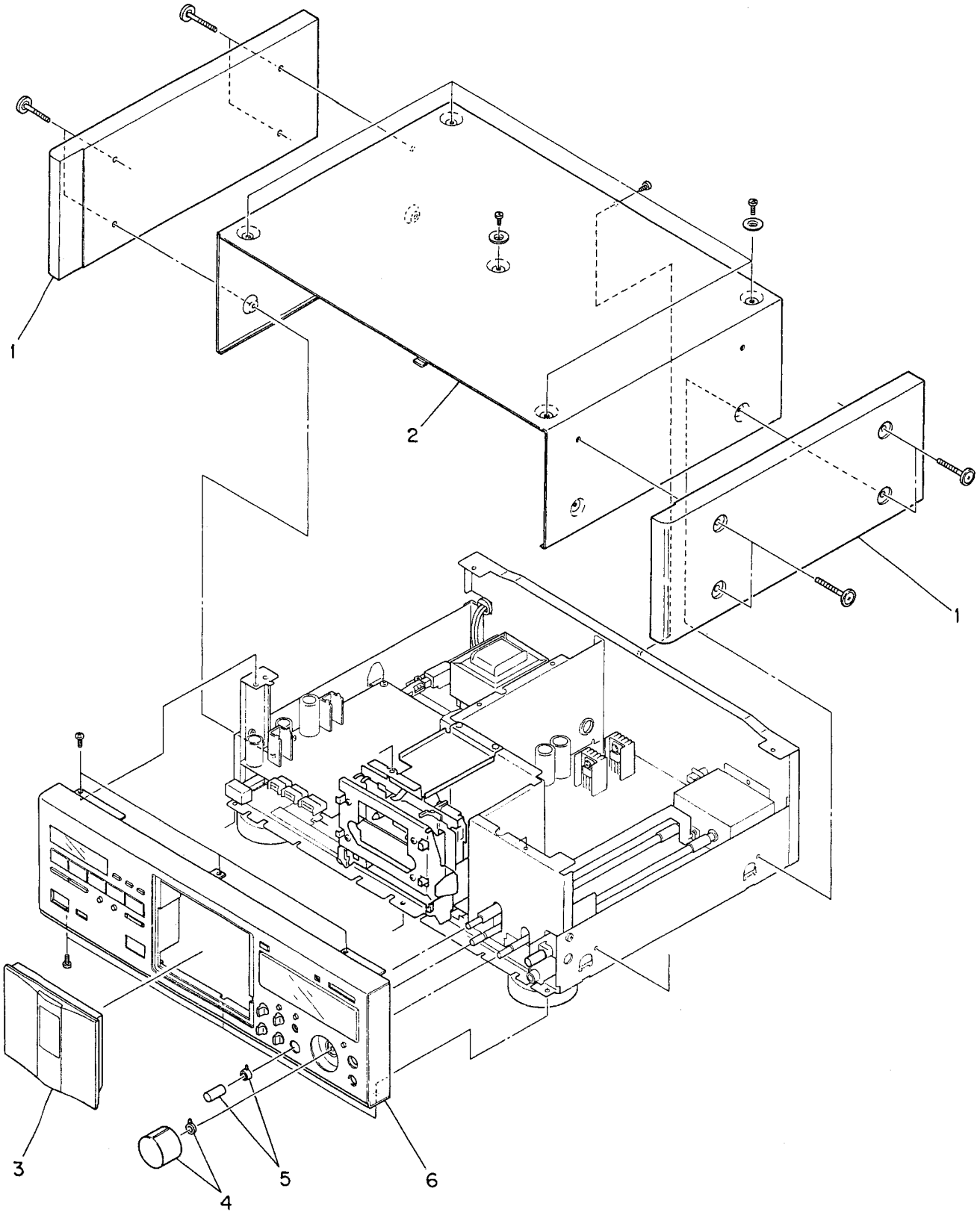
ドルビー，DOLBY，ダブルD記号 ⊡⊡ 及びHXプロはドルビーラボラトリーズライセンシングコーポレーションの登録商標です．

2 REMOVAL OF EXTERNAL COMPONENTS

外装部品の外し方

Disassemble in number order
番号順に外してください



3 ADJUSTMENTS AND CHECKS

調整と確認

3-1 MECHANICAL ADJUSTMNTS

3-1-1 TAPE SPEED

1. Connect a frequency counter to the deck as shown in Fig. 3-1.
2. Load a TEAC MTT-111N test tape and play the beginning of the test tape.
3. Adjust the variable resistor (Fig. 3-2) to get the adjustment value of 3,000Hz to 3,010Hz (V-5010 only).
4. In play mode, check that the following figures are obtained at the beginning and at the end of the tape.
   Speed deviation : 3,000Hz ± 30Hz (V-7010)
   3,000Hz ± 60Hz (V-5010)
   Speed drifting : within 15Hz (V-7010)
   within 60Hz (V-5010)

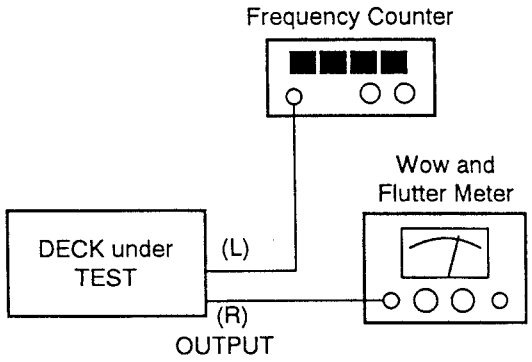


Fig. 3-1

3-1-2 WOW AND FLUTTER

(PLAYBACK METHOD)

1. Connect a wow and flutter meter to the deck as shown in Fig. 3-1.
2. Load and play a TEAC MTT-111N test tape.
3. Check that the readings on the wow and flutter meter are as follows.
   Specifications : 0.050 % WRMS (V-7010)
   0.065 % WRMS (V-5010)

3-1-3 REEL TORQUE

1. Load the cassette torque on the deck and read the pointer indication on the dial scale for each tape transport operation. The measured torque should be within the following specified values.
   Specifications :
   Take up : 35~60g・cm (TW-2111)
   Supply : 4~10g・cm (TW-2111)
   F. F. /REW : 70~160g・cm (TW-2231)

3-1 機構部の調整

3-1-1 テープ・スピード

1. Fig. 3-1のように周波数カウンターを接続する。
2. テストテープ MTT-111Nの巻始めを再生する。
3. 周波数値を3,000~3,010Hzの範囲内にFig. 3-2に示すVRを調整する。(V-5010 のみ)
4. 巻始めから巻終りまで再生し、速度偏差および変動幅を確認する。
   速度偏差： 3,000Hz ± 30Hz (V-7010)
   3,000Hz ± 60Hz (V-5010)
   変 動 幅： 15Hz以内 (V-7010)
   60Hz以内 (V-5010)

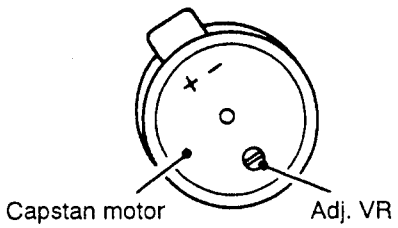


Fig. 3-2

3-1-2 ワウ・フラッター

(再生法)

注： テープの巻初め、中間、巻終りで測定する。

1. Fig. 3-1のようにワウ・フラッターメーターを接続する。
2. テストテープMTT-111Nを再生する。
3. ワウ・フラッター値を測定、下記の規格に入ること。
   規格： 0.050 % WRMS (V-7010)
   0.065 % WRMS (V-5010)

3-1-3 リールトルク

1. カセット型トルクメーターにより測定、測定値が下記の範囲内にあること。
   テイクアップトルク： 35~60g・cm (TW-2111)
   バックテンショントルク： 4~10g・cm (TW-2111)
   早送り/巻戻しトルク： 70~160g・cm (TW-2231)

3-2 ELECTRICAL ADJUSTMENTS

3-2-1 PRECAUTIONS

1. Before performing adjustments and checks clean and demagnetize the entire tape path.
2. In general, adjustments and checks are made in the order of Lch then Rch double REF numbers indicate Lch/Rch for example R11/R21.
3. 0dB is referenced to 0.775V.
4. The AC voltmeter used in the procedures must have an input impedance of 1M ohms or more.
5. Input terminals and measuring points at each step are the same as previous step, otherwise specified.

3-2 アンプ部の調整

3-2-1 注意

1. アンプ部の調整および確認をする前に、テープ走行系の消磁と清掃を行ってください。
2. 特に指定のない限り、調整はLch, Rch の順に行ってください。なお、R11/R21 のような表示では、Lch/Rch を表します。
3. 0dB = 0.775V
4. 測定器の入力インピーダンスは、1MΩ以上のものを使用してください。
5. 各ステップの入力端子および測定個所は、特に明記されている場合を除き、直前のステップと同じです。

3-2-2 ADJUSTMENT LOCATIONS

3-2-2 調整個所

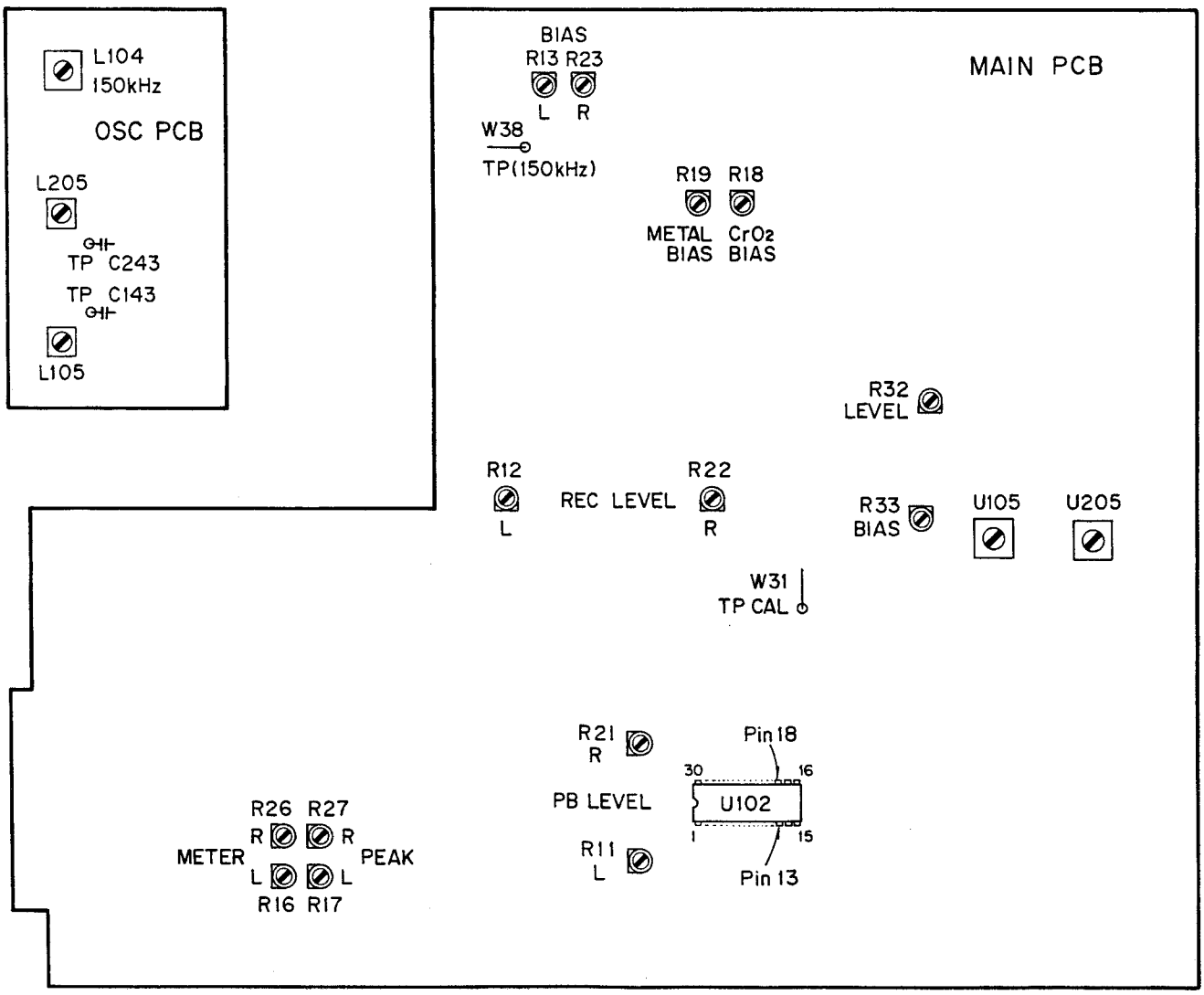


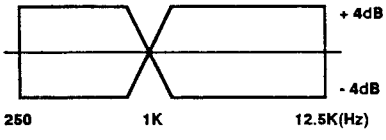
Fig. 3-3

3-2-3 PLAYBACK PERFORMANCE

再生

Deck settings
- Mode : PLAY
- AUTO MONITOR SW : TAPE
- DOLBY NR SW : OFF
- MPX FILTER SW : OFF

TEAC Test Tapes
- MTT – 150C : Dolby level calibration
- MTT – 256 : Playback frequency response check for NORMAL
- MTT – 356 : Playback frequency response check for METAL and CrO_2
- MTT – 5511 : S/N check for 120 μ sec (NORMAL)
- MTT – 5571 : S/N check for 70 μ sec (METAL)

ITEM 項目	SETTING 設定	INPUT SIGNAL 入力信号	ADJUSTMENTS 調整個所	MEASURING POINTS RESULT 測定個所・調整値	REMARKS 備考
1. Head azimuth adjustment アジマス調整	Fig. 3-5	MTT-256 or MTT-356 (10kHz)	Azimuth screw アジマス調整ネジ	OUTPUT (L/R) : Maximum level at L/R ch's In-phase between L/R ch's L-R 各ch共最大出力, 同位相。	Fig. 3-6 Fig. 3-7
2. Playback frequency response 再生周波数特性	Fig. 3-4	MTT-256 MTT-356 315Hz/10kHz	Check		
3. DOLBY level setting	Fig. 3-11	MTT-150C	MAIN PCB R11/R21	U102 : pin13/pin18 : – 6dB (388mV)	
4. Playback output level 再生出力レベル	Fig. 3-4	MTT-150C	Check	OUTPUT (L/R) : – 2 ± 1dB (548mV~ 690mV) L/R level difference : within 1.5dB Phase : within 45°	Fig. 3-7
5. Meter level setting	Fig. 3-4	MTT-150C	MAIN PCB R16/R26	PEAK LEVEL meter (L/R) : – 1dB lit (Dolby mark)	
6. Playback S/N ratio 再生S/N比	Fig. 3-4	MTT-5511 MTT-5571 Playback : Leader tape portion リーダーテープを再生。	Check	OUTPUT (L/R) : S/N 46dB min. (120 μs) 47dB min. (70 μs) L/R level change : within 4dB	

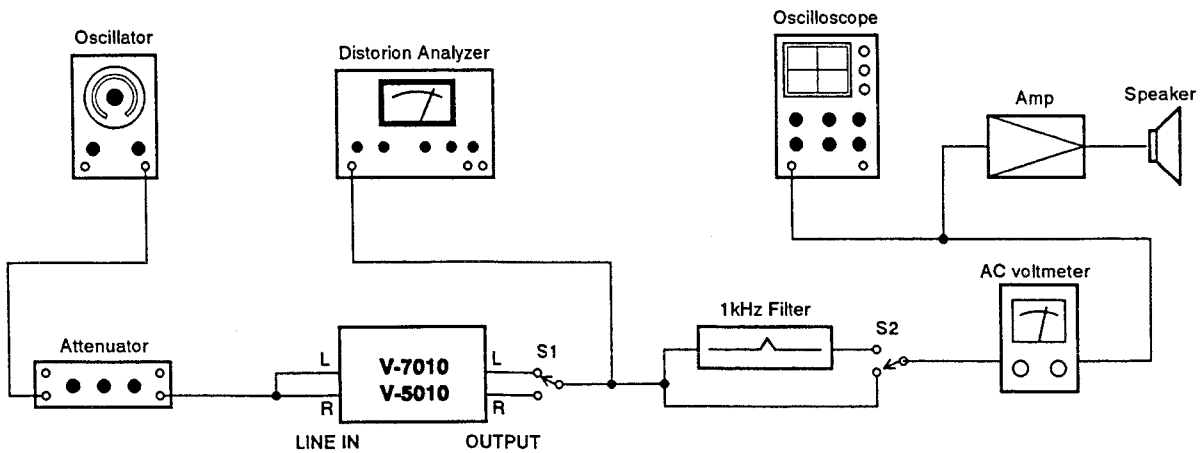


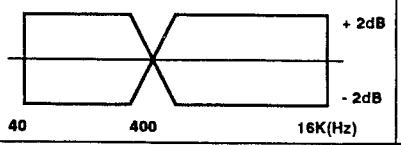
Fig. 3-4 Basic test setup

3-2-4 MONITOR PERFORMANCE

モニター系

Deck settings

Mode	: RECORD/PAUSE	AUTO MONITOR SW	: SOURCE
REC LEVEL Control	: Maximum	DOLBY NR SW	: OFF
BALANCE Control	: 0 (center) Position	MPX FILTER SW	: OFF

5ITEM 項目	SETTING 設定	INPUT SIGNAL 入力信号	ADJUSTMENTS 調整個所	MEASURING POINTS RESULT 測定個所・調整値	REMARKS 備考
7. Mini. line input level check Line最小 入力レベル	Fig. 3-4	LINE IN (L/R) : 400Hz/− 19dB (86.9mV)	Check	OUTPUT (L/R) : -2 ± 3dB (436mV～869mV)	
8. Specified line input level Line 規定 入力レベル	Fig. 3-4	LINE IN (L/R) : 400Hz/-9dB (275mV)	REC LEVEL VR BALANCE VR	OUTPUT (L/R) : -2dB (615mV)	
		* Adjust the balance between the L and R channels by BALANCE VR. After adjusting do not move the REC VR & BALANCE VR.(Specific position) * L-R chのレベル差は、BALANCE VR にて修正。 調整後はREC LEVEL VR および BALANCE VR を動かさないこと。			
9. MPX Filter coil	Fig. 3-4	LINE IN (L/R) : 19kHz/-9dB (275mV)	MAIN PCB U105/U205	OUTPUT (L/R) : Minimum 最小出力	MPX-F SW: ON
10. Peak level ピークレベル	Fig. 3-4	LINE IN L ch : 400Hz/-3dB (548mV)	MAIN PCB R17	PEAK LEVEL meter (L/R) : + 5dB lit	MARGIN RESET SW:ON (V-7010 only)
	Adjust Rch as same as Lch. 次に、Rch も同様に調整する。		MAIN PCB R27		
11. Monitor frequency response モニター 周波数特性	Fig. 3-4	LINE IN (L/R) : 40Hz～16KHz − 9dB (275mV)	Check		
12. PHONES output level ヘッドホン 出力レベル	Fig. 3-10	LINE IN (L/R) : 400Hz/-9dB (275mV)	Check	PHONES : At each channel 各チャンネル共 -16 ± 3dB (86.9mV～173mV)	PHONES VR: Max. 8Ω load

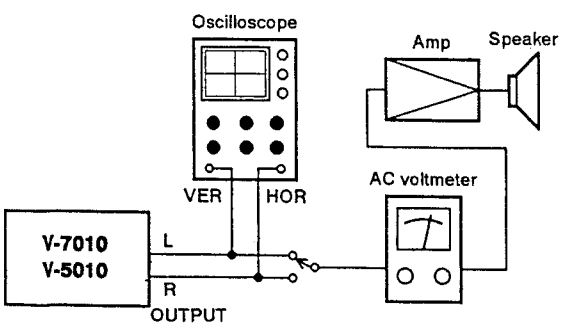


Fig. 3-5 Test setup for azimuth check

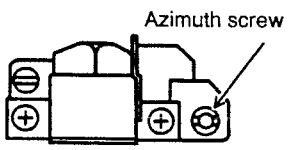


Fig. 3-6 Head azimuth

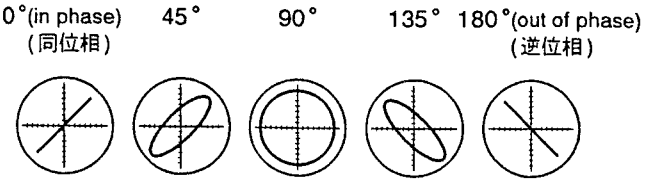


Fig. 3-7 Confirming phase relationship

3-2-5 RECORDING PERFORMANCE

録音系

Deck Settings

Mode	:	REC/PLAY
REC LEVEL Control	:	Specified position 規定位置 (Item 8)
BALANCE Control	:	Specified position 規定位置 (Item 8)
BIAS/LEVEL Controls	:	Center position
DOLBY NR SW	:	OFF
MPX FILTER SW	:	OUT
AUTO MONITOR SW	:	TAPE

TEAC Recording Test Tapes

MTT-5571	:	For METAL
MTT-5561	:	For CrO2
MTT-5511	:	For NORMAL

ITEM 項目	SETTING 設定	INPUT SIGNAL 入力信号	ADJUSTMENTS 調整個所	MEASURING POINTS RESULT 測定個所・調整値	REMARKS 備考
13. Built-in OSC 内部発振器 (LEVEL/BIAS)	Fig. 3-11	LINE IN : No signal 無信号	MAIN PCB R32	TP CAL (W31) : Nearly equal level at both 500Hz / 12kHz. 500Hzと12kHzのレベルを等しく調整。	MTT-5511 Mode: STOP CAL START SW: ON (Press sevral times) CAL START釦を繰り返し押す。
			MAIN PCB R33	TP CAL (W31) : −28dB (30.8mV)	
14. Bias osc. frequency バイアス 発振周波数	Fig. 3-9	LINE IN : No signal 無信号	OSC PCB L104	TP (W38) : 150 ± 5kHz	MTT-5571
15. Step up coil ステップ アップコイル	Fig. 3-8	LINE IN : No signal 無信号	OSC PCB L105/L205	TP (C143/C243) Minimum DC voltage DC 電圧最小値	MTT-5571
16. Record bias 録音バイアス	Fig. 3-4	LINE IN (L/R) : 400Hz/10kHz −42dB (6.1mV) Record/reproduce alternately 両信号を交互に入力し、録再する	MAIN PCB R13/R23	For Normal Tape OUTPUT (L/R) : Equal level at both 400Hz/10KHz. 400Hzと10kHzの録再出力レベルが等しくなること。	MTT-5511
			MAIN PCB R18	For CrO_2 Tape Same as above	MTT-5561
			MAIN PCB R19	For Metal Tape Same as above	MTT-5571
17. Record level 録音レベル	Fig. 3-4	LINE IN (L/R) : 400Hz/-12dB (195mV) Record/reproduce	MAIN PCB R12/R22	OUTPUT (L/R) : -5dB (436mV)	MTT-5511
			Check	OUTPUT (L/R) : -5 ± 2dB (NR OFF) -5 ± 3dB (NR ON)	MTT-5561 MTT-5511
18. Total harmonic distortion 総合歪率	Fig. 3-4	LINE IN (L/R) : 400Hz/-12dB (195mV)	Check	OUTPUT (L/R) : 2.5 % or less(以下) (METAL, CrO_2) 2.0 % or less(以下) (NORMAL)	MTT-5511 MTT-5561 MTT-5571

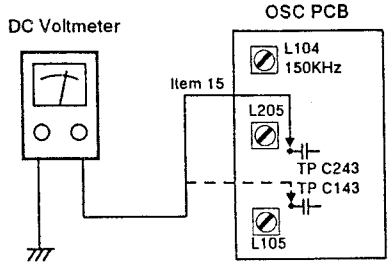


Fig. 3-8 Test setup

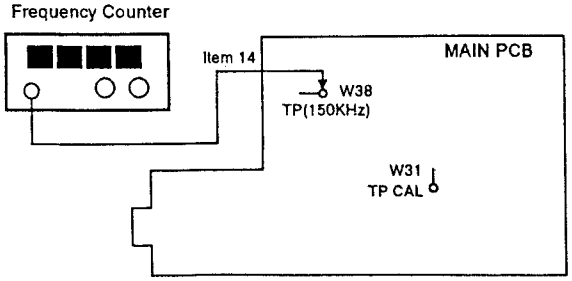
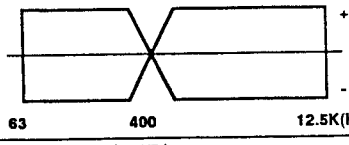


Fig. 3-9 Test setup

ITEM 項目	SETTING 設定	INPUT SIGNAL 入力信号	ADJUSTMENTS 調整個所	MEASURING POINTS RESULT 測定個所・調整値	REMARKS 備考
19. Overall frequency response 録音周波数特性	Fig. 3-4	LINE IN (L/R) : 63Hz~12.5kHz −42dB (6.15mV)	Check		MTT-5511
20. Overrall S/N ratio 総合S/N比	Fig. 3-4	LINE IN (L/R) : No signal 無信号	Check	OUTPUT (L/R) : METAL/CrO_2 46dB Mini. NORMAL 45dB Mini. Reference level (基準レベル) : 400Hz/-2dB (615mV)	MTT-5571 MTT-5561 MTT-5511
21. Erase efficiency 消去率	Fig. 3-4	LINE IN (L/R) : 1kHz/+1dB (869mV)	Check	OUTPUT (L/R) : 65dB Mini.	MTT-5571 1kHz Band Pass Filter: ON
	Record a 1kHz signal. Erase the latter half of the recording. Rewind and play tofind the difference between the 1kHz portion and the erased portion. 録音部分を再生した時のレベルを基準レベルとし、録音部分を消去した時の再生レベルとの差を測定する。				
22. REC MUTE function REC MUTE 効果	Fig. 3-4	LINE IN (L/R) : 1kHz/+1dB (869mV)	Check	OUTPUT (L/R) : 65dB Mini.	MTT-5571 1kHz Band Pass Filter: ON
	Record a 1kHz signal. Push REC MUTE button midway. Rewind and play to fine the difference between the 1kHz portion and the "REC MUTE"portion. 1kHz 信号を録音し、途中でREC MUTE釦を押して無信号録音部分を作る。 このテープを再生し、1kHz部分と無信号部分との出力レベル差を測定。				
23. Channel separation	Fig. 3-4	LINE IN (Lch) : 1kHz/-9dB (275mV) Rch : No signal	Check	OUTPUT (Rch) : 30dB Mini.	MTT-5571 1kHz Band Pass Filter: ON
	Set the deck to record mode. rewind and play to find the difference between the 1kHz recorded portion (Lch) and "no signal" portion (Rch). 録音後、再生して1kHz録音部分 (Lch) と無信号録音部分 (Rch) との出力レベル差を測定。				
	Change the above connection and check reverse operation also. L chとR chを入れ替えてた場合いについてもチェックすること。				
24. Adjacent track crosstalk トラック間クロストーク	Fig. 3-4	LINE IN (Rch) : 125Hz/-9dB (275mV)	Check	OUTPUT (Rch) : 40dB Mini.	MTT-5571 Lch: Not connect Lch の入出力接続不要
	Record a 125Hz signal on Rch track and note output level. Invert tape and play Rch track. Check leakage level against the output reference of previously recorded portion. Rch トラックに125Hz信号を録音し、その再生出力を基準レベルとする。 次にテープを反転し、再生した時のRch出力レベルとの差を測定する。				

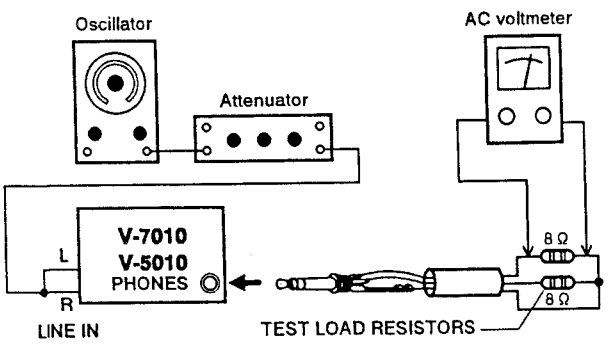


Fig. 3-10 Test setup for PHONES check

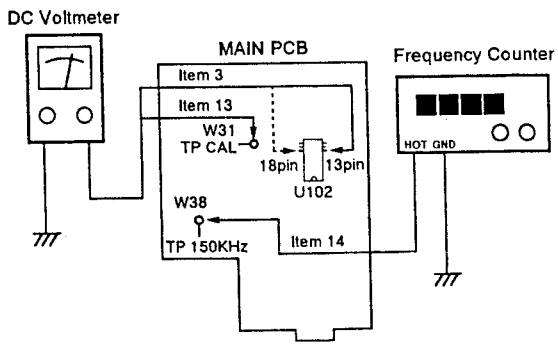
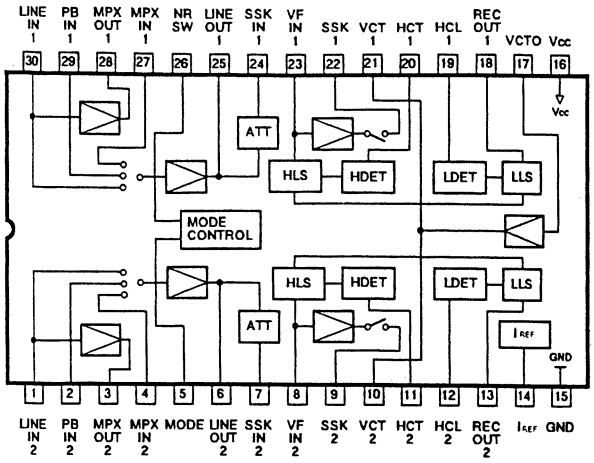


Fig. 3-11 Test setup

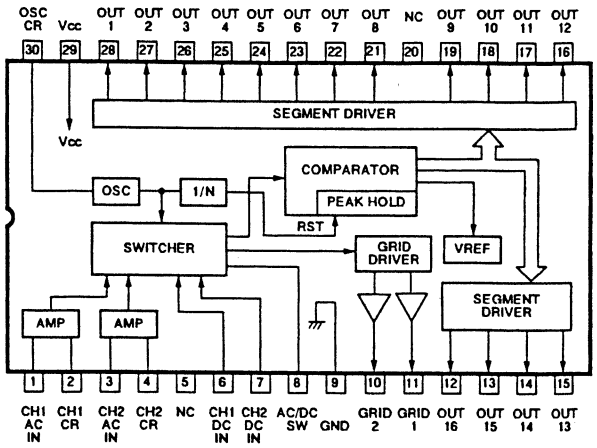
4 IC BLOCK DIAGRAMS

ICブロックダイアグラム

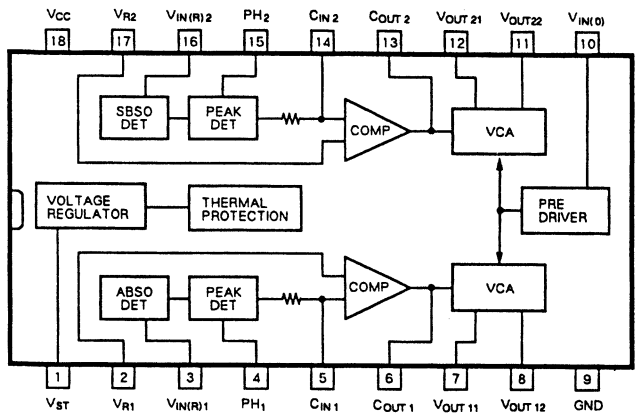
CXA1330



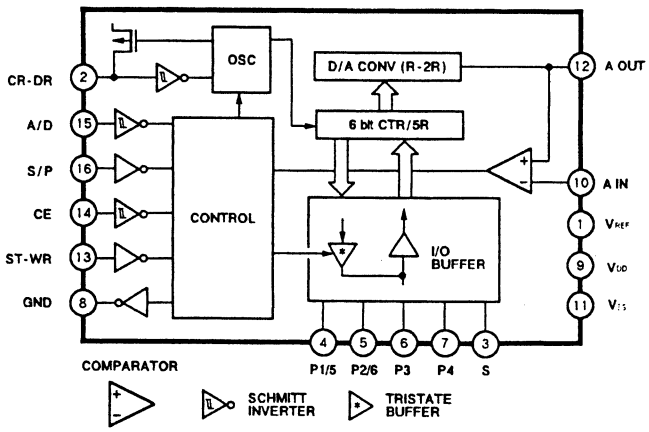
BA6800AS



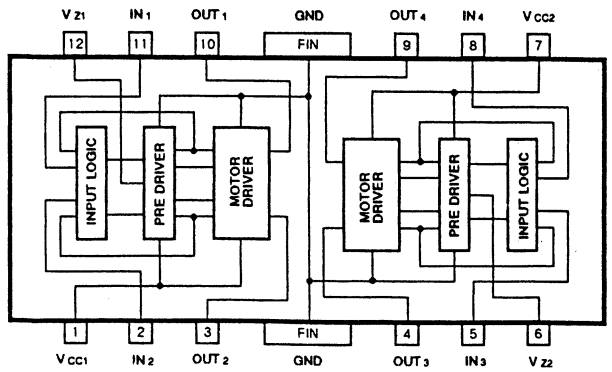
μPC1297CA



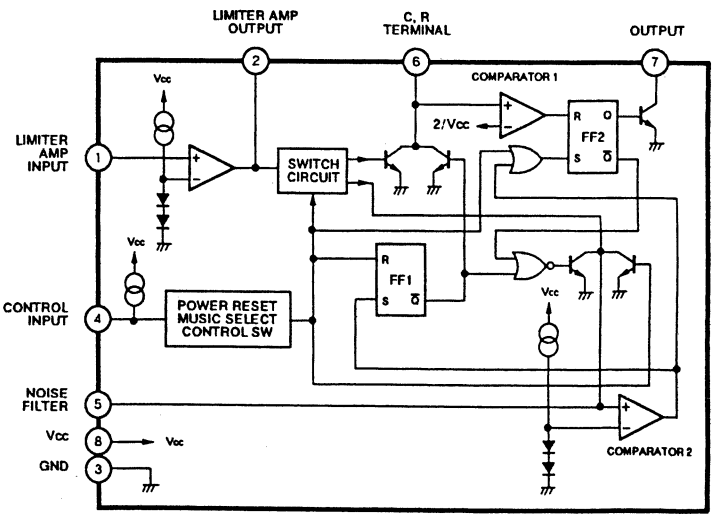
LC7910



LB1649



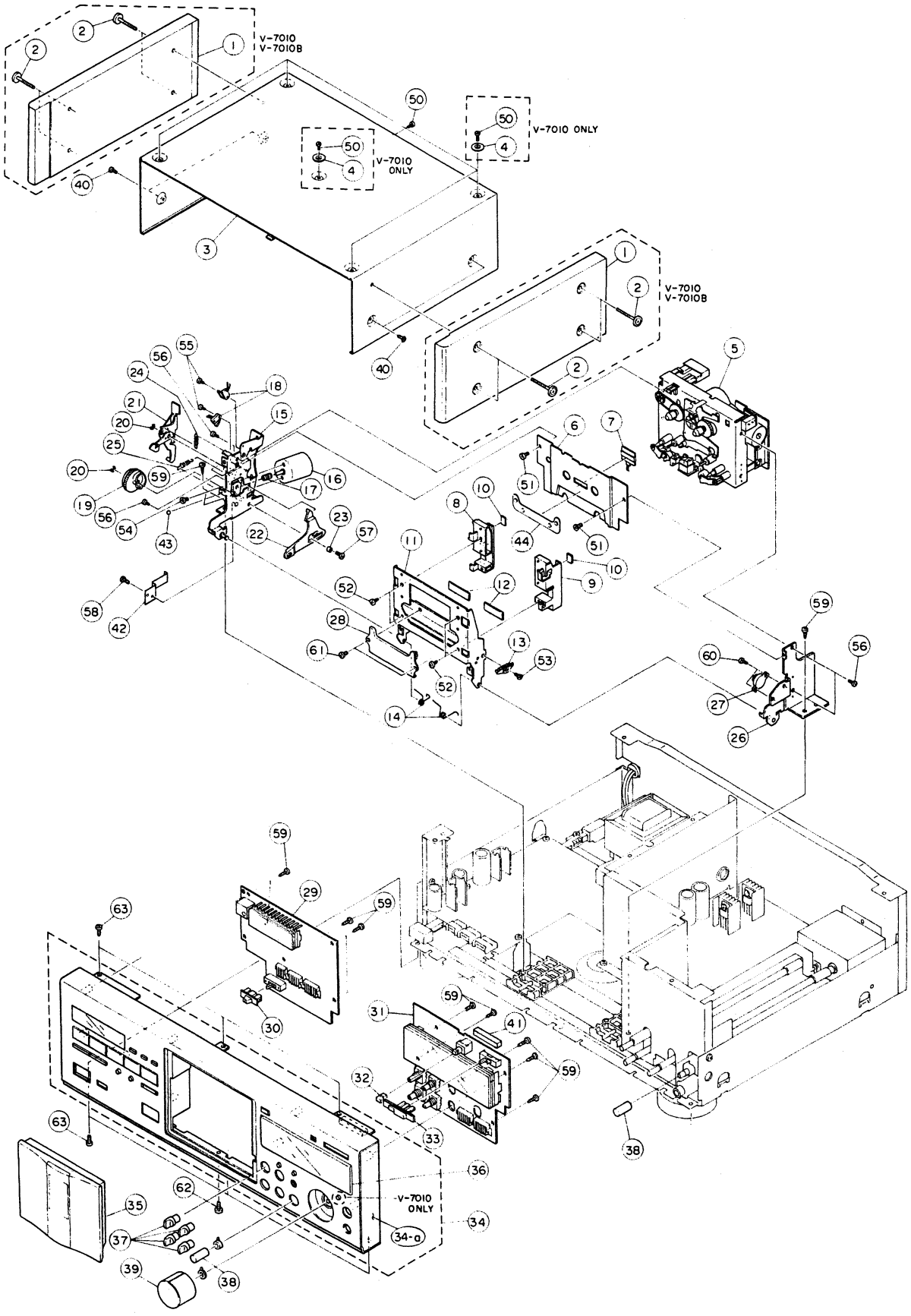
M51143AL



5 EXPLODED VIEWS AND PARTS LIST

分解図とパーツリスト

EXPLODED VIEW-1

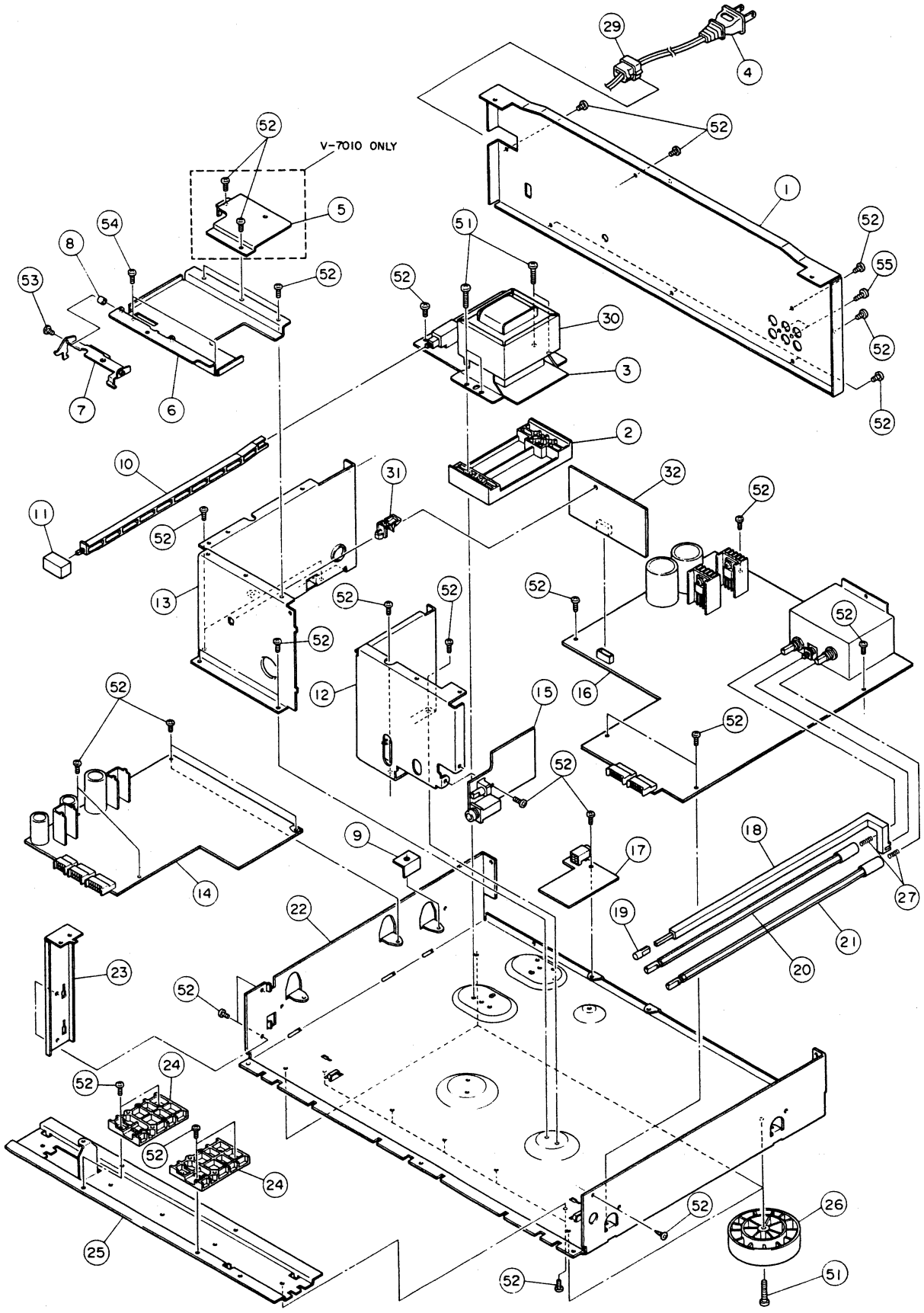


EXPLODED VIEW-1

REF.NO.	PARTS NO.	DESCRIPTION	REMARKS
1- 1	*5801512500	SIDE PANEL,WOOD V-7010/V-7010B	
1- 2	*5800954700	SCREW ASSY,SIDE PANEL	
1- 3	*5801405800	BONNET(1) V-5010	
	*5801405900	BONNET(2) V-7010	
	*5801440400	BONNET(2BL) V-7010B	
1- 4	*5801408300	COLLAR,BONNET V-7010	
	*5801440600	COLLAR,BONNET V-7010B	
1- 5		MECHA.ASSY,PAD2333 V-7010/V-7010B	
		MECHA.ASSY,PAD2334 V-5010	
1- 6	*5801415100	BASE PLATE(S)	
1- 7	5225025500	LED,SLF601C ORG	
1- 8	5801509800	CASSETTE GUIDE(NL)	
1- 9	5801509900	CASSETTE GUIDE(NR)	
1-10	*5801415700	CUSHION,T2	
1-11	*5801417200	HOLDER ASSY	
1-12	*5801410401	CUSHION,T3.2	
1-13	*5801415600	HOLDER GEAR	
1-14	*5801415400	STABILIZER SPRING(L)	
1-15	*5801401800	CM HOLDER L.ASSY	
1-16	5370009900	DC MOTOR,MDH2B10	
1-17	*5801402600	WORM GEAR	
1-18	5301457000	SW.,DETECTION SPPB22	
1-19	*5801402701	WORM WHEEL	
1-20	*5786002500	E RING,E2.5(JIS)	
1-21	*5801402202	HOOK LEVER	
1-22	*5801402400	SLIDE ARM	
1-23	*5785602630	SPACER,2.6X3	
1-24	*5801416700	SPRING(F)	
1-25	*5801416800	SPRING(S)	
1-26	*5801402000	CM HOLDER(R)	
1-27	*5801354000	DAMPER ASSY,IC72-L	
1-28	*5801510600	LID PLATE ASSY	
1-29	*5200343500	DISPLAY L.PCB ASSY	Refer to pages 24 and 27
1-30	5801514700	TIMER KNOB(G) V-7010	
	5801407700	TIMER KNOB(BL) V-7010B/V-5010	
1-31	*5200343600	DISPLAY R.PCB ASSY V-7010/V-7010B	Refer to pages 24 and 27
	*5200343900	DISPLAY R.PCB ASSY V-5010	Refer to pages 24 and 27
1-32	5801514800	PUSH BUTTON(G) V-7010	
	5801407500	PUSH BUTTON(BL) V-7010B/V-5010	
1-33	5801514600	NR KNOB(G) V-7010	
	5801407900	NR KNOB(BL) V-7010B/V-5010	
1-34	*5801507300	FRONT PANEL ASSY V-7010	
	*5801507400	FRONT PANEL ASSY V-7010B	
	*5801507500	FRONT PANEL ASSY V-5010	
1-34a	*5772924600	F.ESCUTCHEON & BUTTON ASSY V-7010	
	*5772922001	F.ESCUTCHEON & BUTTON ASSY V-7010B	
	*5772922101	F.ESCUTCHEON & BUTTON ASSY V-5010	
1-35	5801508100	LID ASSY V-7010	
	5801508200	LID ASSY V-7010B	
	5801508300	LID ASSY V-5010	
1-36	5801406100	METER COVER	
1-37	5801514100	KNOB(GN) V-7010	
	5801412800	KNOB(BL) V-7010B/V-5010	

(Continued on page 21)

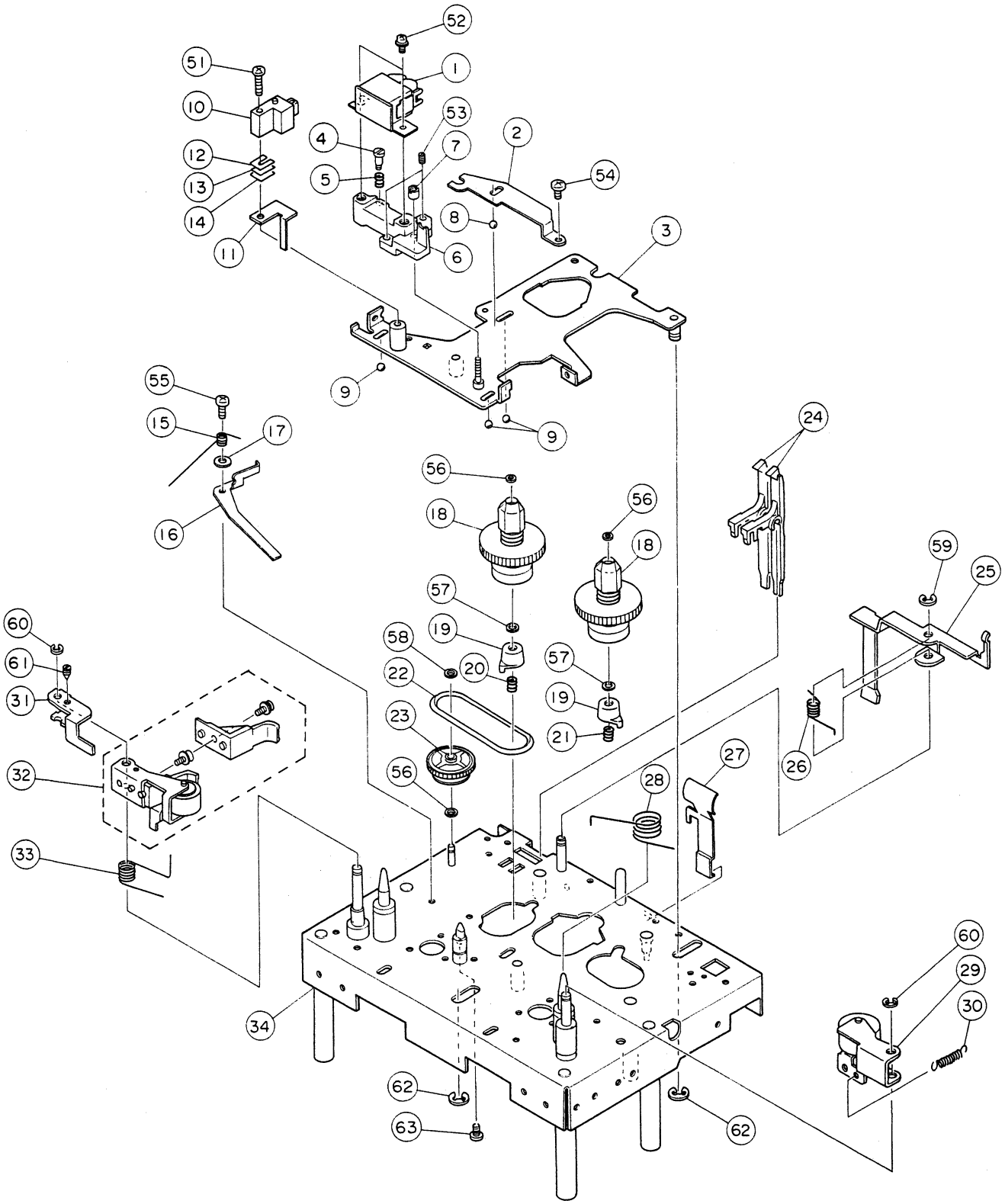
EXPLODED VIEW-2



EXPLODED VIEW-2

REF.NO.	PARTS NO.	DESCRIPTION	REMARKS
2- 1	*5801509200	REAR PANEL(E) [ALL EXCEPT GE]	
	*5801509300	REAR PANEL(F) [GE]	
2- 2	*5801406000	TRANS BASE	
2- 3	*5200343800	TRANS PCB ASSY [J]	Refer to pages 25 and 27
	*5200343810	TRANS PCB ASSY [US,C]	Refer to pages 25 and 27
	*5200343830	TRANS PCB ASSY [GE]	Refer to pages 25 and 27
	*5200343840	TRANS PCB ASSY [E]	Refer to pages 25 and 27
	*5200343850	TRANS PCB ASSY [UK]	Refer to pages 25 and 27
	*5200343860	TRANS PCB ASSY [A]	Refer to pages 25 and 27
2- 4	⚠5350015600	AC CORD,[J]	
	⚠5350010800	AC CORD,SPT-1 [GE]	
	⚠5350017500	AC CORD,CLASS-2 [E]	
	⚠5128047000	AC CORD,BS [UK]	
	⚠5350008300	AC CORD,SAA [A]	
2- 5	*5801406600	BONNET PLATE V-7010/V-7010B	
2- 6	*5801402101	CM HOLDER(U)	
2- 7	*5801402300	SENSOR LEVER	
2- 8	*5785602535	SPACER,2.6X3.5MM	
2- 9	*5801435000	INSULATOR [E,UK,A]	
2-10	*5801406200	ROD(P)	
2-11	5801514000	POWER BUTTON V-7010	
	5801406800	POWER BUTTON V-7010B/V-5010	
2-12	*5801511600	CENTER CHASSIS(A) CU	
2-13	*5801511700	CENTER CHASSIS(B) CU	
2-14	*5200343400	CONTROL PCB ASSY V-7010/V-7010B	Refer to pages 23 and 26
	*5200341400	CONTROL PCB ASSY V-5010	Refer to pages 23 and 26
2-15	*5200339500	PHONE PCB ASSY	Refer to pages 25 and 26
2-16	*5200339400	MAIN PCB ASSY V-7010/V-7010B	Refer to pages 22 and 26
	*5200343100	MAIN PCB ASSY V-5010	Refer to pages 22 and 26
2-17	*5200343700	JACK PCB ASSY	Refer to pages 23 and 27
2-18	*5801411900	CON ROD(CD)	
2-19	5801514301	KNOB(CD-GN) V-7010	
	5801412401	KNOB(CD-B) V-7010B/V-5010	
2-20	*5801510800	SHAFT ASSY(2)	
2-21	*5801412001	SHAFT ASSY(1)	
2-22		MAIN CHASSIS CU	
2-23	*5801406700	PANEL ANGLE	
2-24	*5801406400	MECHA BASE(A) V-7010/V-7010B	
	*5801406500	MECHA BASE(B) V-5010	
2-25	*5801405100	CHASSIS ANGLE	
2-26	*5801504500	INSULATOR ASSY V-7010/V-7010B	
	*5801414900	FOOT ASSY,56 V-5010	
2-27	*5801362200	EARTH SPRING(2)	
2-28		VACANT	
2-29	*5317003400	BUSHING 2271	
2-30	⚠5320059901	POWER TRANSFORMER EX 20W	
2-31	*5787091000	PCB SUPPORT	
2-32	*5200339600	OSC PCB ASSY	Refer to pages 25 and 27
2-51	*5783034020	SCREW,B.H.S-T M4X20	
2-52	*5783763006	SCREW,B.H.B-T M3X6 CU	
2-53	*5783032606	SCREW,M2.6X6 BIND S-TITE	
2-54	*5783732605	SCREW,M2.6X5 BIND B-TITE	
2-55	*5783783008	SCREW,M3X8 B.BIND B-TITE CU	

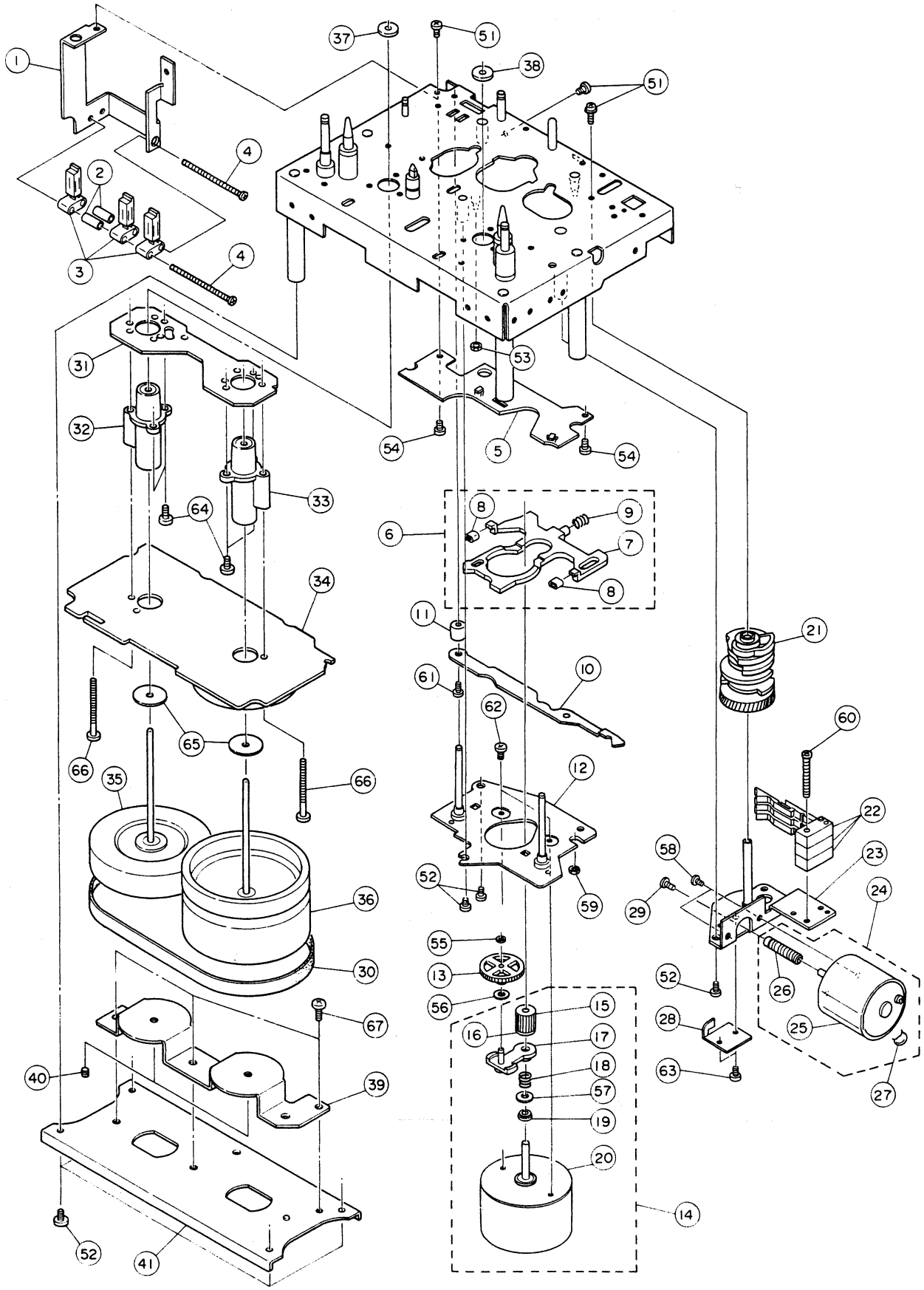
EXPLODED VIEW-3



EXPLODED VIEW-3

REF.NO.	PARTS NO.	DESCRIPTION		REMARKS
3- 1	5378906000	R/P HEAD,COMBI.	H2374-4105	
3- 2	*5761855000	PRESSURE PLATE V-7010	SGE2500401	
	*5761826700	PRESSURE PLATE V-5010	KGE103405	
3- 3	*5761828000	HEAD BASE ASSY	KGE015132	
3- 4	*5761827700	SHAFT	SIE2205901	
3- 5	*5761827800	COIL SPRING	SIE2402902	
3- 6	*5761827900	HEAD BLOCK	SIE1100103	
3- 7	*5761827500	NUT,HEAD ADJUSTMENT	SIE2300801	
3- 8	*5761826800	STEEL BALL,3 PHI	SIE3600203	
3- 9	*5761828700	STEEL BALL,2 PHI	SIE3600201	
3-10	5761826900	ERASE HEAD	308763003	
3-11	*5761827300	ERASE HEAD PLATE(B)	SIE2101901	
3-12	5761827000	SPACER,T0.06	SIE3401101	
3-13	5761827100	SPACER,T0.03	SIE3401103	
3-14	5761827200	SPACER,T0.1	SIE3401102	
3-15	*5761829600	COIL SPRING	KGE103266	
3-16	*5761829800	CHANGE LEVER	KGE103288	
3-17	*5761829700	COLLAR	KGE103289	
3-18	*5761831000	REEL TABLE ASSY	KGE016216	
3-19	*5761831100	SPRING SUPPORT	KGE103238	
3-20	*5761831200	SPRING L.	SIE2407104	
3-21	*5761831300	SPRING R.	SIE2407102	
3-22	5761828900	BELT	KGE103272	
3-23	5761829000	PULLEY ASSY	KGE015113	
3-24	*5761828800	RECORD LEVER	SIE2000602	
3-25	*5761828100	DETECTION LEVER	KGD103344	
3-26	*5761828200	COIL SPRING	KGE103350	
3-27	*5761828300	SPRING,CASSETTE PRESS.	KGE103234	
3-28	*5761859100	COIL SPRING	KGE103445	
3-29	5761828400	PINCH ROLLER ASSY,T.	KGE015079	
3-30	*5761828500	SPRING,P.ROLLER T.	SIE2401701	
3-31	*5761829500	ADJ.PLATE,P.ROLLER	KGE103232	
3-32	5761829400	PINCH ROLLER ASSY,S.	KGE016219	
3-33	*5761829300	SPRING,P.ROLLER S.	KGE103825	
3-34		MECHA.CHASSIS V-7010	KGD016277	
		MECHA.CHASSIS V-5010	KGD015178	
3-51	*5761835000	SCREW,M2X12 B V-7010	SEE3053803	
	*5761824500	SCREW,M2X12 P V-5010	KGE103348	
3-52	*5761834300	SCREW,M2X4 PAN	SEE3054501	
3-53	*5761827600	SCREW,M2X4	SEE3053903	
3-54	*5761855400	SCREW,M3X2.6 P V-7010	SGE3601001	
	*5761834200	SCREW,M3X4 PAN V-5010	SEE3057824	
3-55	*5761834800	SCREW,M2.5X8 PAN S-T.	SEE3057817	
3-56	*5761830900	WASHER,POLYSLIDER	SEE1022802	
3-57	*5761829200	WASHER	PBE16032	
3-58	*5761829100	WASHER	SEE1022818	
3-59	*5761834400	E RING,E2.5	SIE3600101	
3-60	*5761834500	E RING,E2	22145	
3-61	*5761834700	SCREW,M2X3	SEE3053902	
3-62	*5761834600	E RING,E3	SIE3600102	
3-63	*5761824700	SCREW,M2.5X5 PAN	SEE3053501	
	*5761824600	SCREW,M2.5X6 PAN	KGE98081	

EXPLODED VIEW-4 (V-7010/V-7010B)

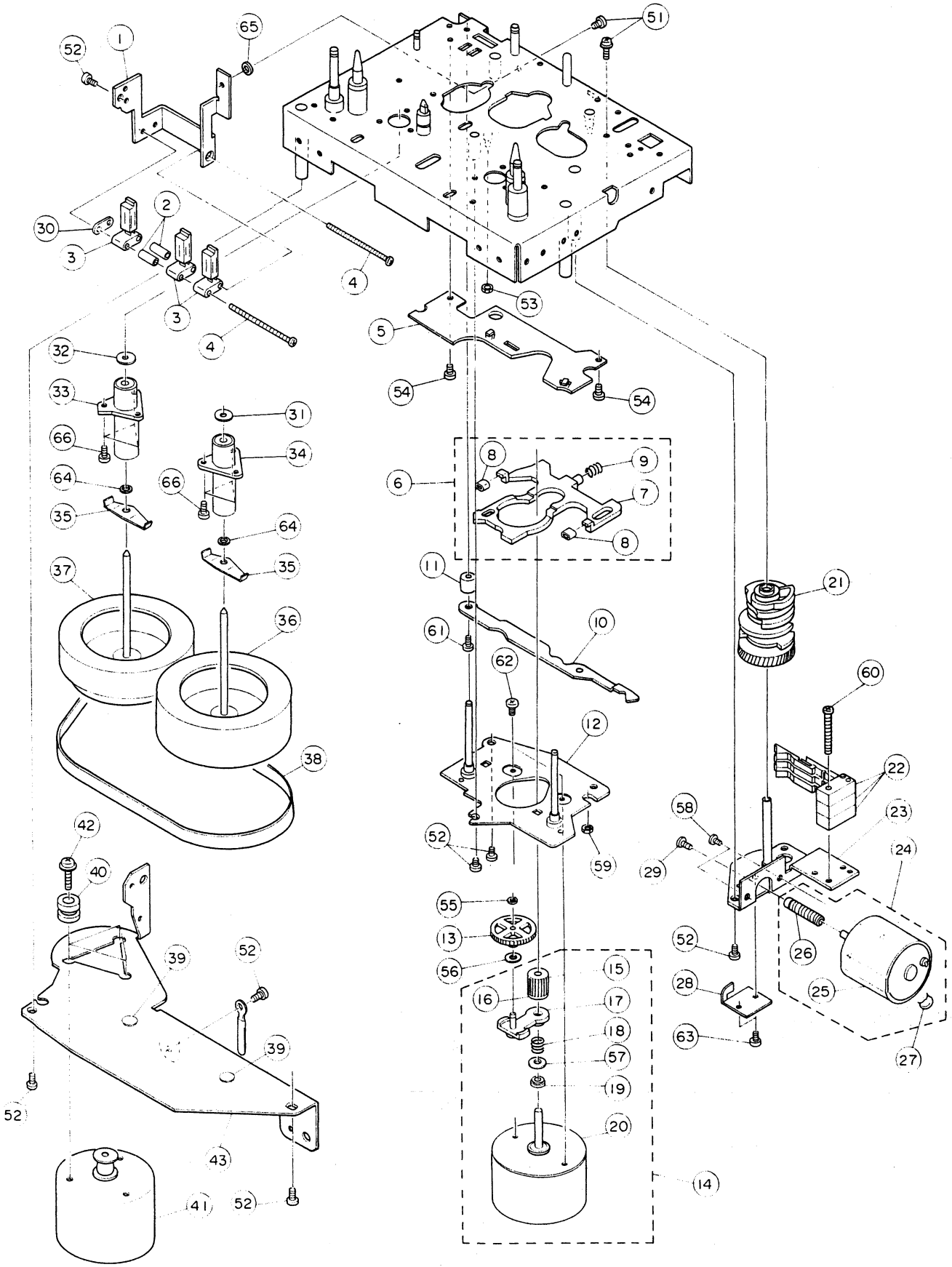


EXPLODED VIEW-4 (V-7010/V-7010B)

REF.NO.	PARTS NO.	DESCRIPTION		REMARKS
4- 1	*5761830600	SWITCH BRACKET(A)	KGD103697	
4- 2	*5761830400	COLLAR	SIE3600811	
4- 3	5761830300	SW.,LEAF	KGD103273	
4- 4	*5761830700	SCREW	KGE103312	
4- 5	*5761855200	SENSOR PCB ASSY	KGE016334	
4- 6	*5761832500	BRAKE PLATE ASSY	KGE015133	
4- 7	*5761832700	BRAKE PLATE	SIE2001603	
4- 8	*5761832600	BRAKE SHOE	SIE1801902	
4- 9	*5761832800	SPRING,BRAKE	SIE2408001	
4-10	*5761833400	JOINT	KGE103231	
4-11	*5761833500	COLLAR	KGE103253	
4-12	*5761831400	MOTOR BRACKET ASSY	KGE015246	
4-13	*5761830000	GEAR,REEL DRIVE	KGE104245	
4-14	5761831500	REEL MOTOR ASSY,	KGE016272	
4-15	5761832100	GEAR,REEL MOTOR	SIE2601402	
4-16	*5761832000	FELT	SIE1700102	
4-17	*5761832200	IDLER ASSY	KGE015893	
4-18	*5761831900	SPRING,IDLER	SIE2404901	
4-19	*5761831700	STOPPER,SPRING	SIE3300201	
4-20	5761831600	MOTOR,REEL DC	30BHS75B05	
4-21	*5761833200	CAM	KGD103817	
4-22	5761833300	SW.,LEAF	SID3800601	
4-23	*5761833000	BRACKET(B) ASSY	KGE015466	
4-24	5761834100	PAD MOTOR ASSY	KPE16245XA	
4-25	5761833100	MOTOR,PAD	30NCV4B01	
4-26	*5761834000	WORM GEAR	SEE1009202	
4-27	5761838600	CAPASITOR,0.1UF/25V	SEE2020732	
4-28	*5761833800	THRUST BRACKET	KGE103831	
4-29	*5761833700	THRUST CHIP(B)	KGE103832	
4-30	5761855900	CAPSTAN BELT	SEE2154901	
4-31	*5761857000	SPACER,HOUSING	SGE2101201	
4-32	*5761856900	HOUSING ASSY,S.	SEE0845402	
4-33	*5761856800	HOUSING ASSY,T.	SEE0845401	
4-34	*5761856600	DD MOTOR PCB ASSY	SED9060201	
4-35	*5761856200	S.FLYWHEEL ASSY	SEE0845501	
4-36	*5761856000	T.FLYWHEEL ASSY	SEE0845801	
4-37	*5761856300	WASHER	SEE1023002	
4-38	*5761856100	WASHER	SEE1023005	
4-39	*5761855600	RETAINER	SGE2100901	
4-40	*5761855800	THRUST SCREW	SEE3058151	
4-41	*5761855500	REAR CHASSIS	SGE2101101	
4-51	*5761834900	SCREW,M2X5 PAN SW	SEE3054502	
4-52	*5761824700	SCREW,M2.5X5 PAN FT	SEE3053501	
4-53	*5761835700	NUT,M2.6	18072	
4-54	*5761835300	SCREW,M2.6X4 TAP TITE	SEE3054713	
4-55	*5761830100	WASHER	SEE1022816	
4-56	*5761829900	WASHER	KGE103602	
4-57	*5761831800	WASHER	SEE1022803	
4-58	*5761835400	SCREW,M2X3 PAN	SEE3056601	
4-59	*5761835200	NUT,M2	18079	
4-60	*5761835500	SCREW,M2.5X20 PAN FT	SEE3053506	
4-61	*5761835600	SCREW,M2.6X12 PAN S-T.	KGE103348	

(Continued on page 21)

EXPLODED VIEW-5 (V-5010)



EXPLODED VIEW-5 (V-5010)

REF.NO.	PARTS NO.	DESCRIPTION		REMARKS
5- 1	*5761824300	SW BRACKET	KGD103416	
5- 2	*5761830400	COLLAR	SIE3600811	
5- 3	5761830300	SW.,LEAF	KGD103273	
5- 4	5761830700	SCREW,M2X30	KGE103312	
5- 5	*5761832900	SENSOR PCB ASSY	KGE016338	
5- 6	*5761832500	BRAKE PLATE ASSY	KGE015133	
5- 7	*5761832700	BRAKE PLATE	SIE2001603	
5- 8	*5761832600	BRAKE SHOE	SIE1801902	
5- 9	*5761832800	COIL SPRING	SIE2408001	
5-10	*5761833400	JOINT PLATE	KGE103231	
5-11	*5761833500	COLLAR	KGE103253	
5-12	*5761831400	MOTOR BRACKET ASSY	KGE015246	
5-13	*5761830000	GEAR	KGE104245	
5-14	5761831500	REEL MOTOR ASSY	KGE016272	
5-15	5761832100	MOTOR GEAR	SIE2601402	
5-16	*5761832000	FELT	SIE1700102	
5-17	*5761832200	IDLER ASSY	KGE015893	
5-18	*5761831900	SPRING,IDLER	SIE2404901	
5-19	*5761831700	SPRING BRACKET	SIE3300201	
5-20	5761831600	MOTOR,REEL DC	30BHS75B05	
5-21	*5761833200	CAM GEAR	KGD103817	
5-22	5761833300	SW.,LEAF	SID3800601	
5-23	*5761833000	BRACKET(B) ASSY	KGE015466	
5-24	5761834100	PAD MOTOR ASSY	KPE16245XA	
5-25	5761833100	PAD MOTOR	30NCV4B01	
5-26	*5761834000	WORM GEAR	SEE1009202	
5-27	5761838600	C.,0.1UF/25V	SEE2020732	
5-28	*5761833800	BRACKET	KGE103831	
5-29	*5761833700	THRUST CHIP(B)	KGE103832	
5-30	*5761824100	WASHER	KGE103271	
5-31	*5761825400	WASHER	SEE1023002	
5-32	*5761825500	WASHER	SEE1023003	
5-33	*5761824900	HOUSING ASSY,T.	KGE015169	
5-34	*5761825000	HOUSING ASSY,S.	SIE0910302	
5-35	*5761825300	LEEF SPRING	SIE2501901	
5-36	*5761825100	FLYWHEEL ASSY(T)	KGD103400	
5-37	*5761825200	FLYWHEEL ASSY(S)	KGD103401	
5-38	5761825700	BELT,FLAT	KGE104254	
5-39	*5761826000	THRUST BUTTON	SIE3300701	
5-40	*5761825800	RUBBER CUSHION	SGE1801101	
5-41	5761826100	CAPSTAN MOTOR	KGE016275	
5-42	*5761825900	SCREW,M2.6	PBE16156	
5-43	*5761825600	BRACKET	KGD103403	
5-51	*5761834900	SCREW,M2X5 PAN	SEE3054502	
5-52	*5761824600	SCREW,M2.5X6 PAN	KGE98081	
5-53	*5761835700	NUT,M2.6	18072	
5-54	*5761835300	SCREW,M2.6X4 TAP	SEE3054713	
5-55	*5761830100	WASHER	SEE1022816	
5-56	*5761829900	WASHER	KGE103602	
5-57	*5761831800	WASHER	SEE1022803	
5-58	*5761835400	SCREW,M2X3 PAN	SEE3056601	
5-59	*5761835200	NUT,M2	18079	
5-60	*5761835500	SCREW,M2.5X20 PAN	SEE3053506	
5-61	*5761835600	SCREW,M2.6X12 PAN	KGE103348	
5-62	*5761835100	SCREW,M2.6X3 BIND	SEE3053701	
5-63	*5761833900	SCREW TAPPING	SEE2133404	
5-64	*5761824800	WASHER,POLY.	SEE1022806	
5-65	*5761824200	WASHER	SEE1022603	
5-66	*5761824700	SCREW,M2.5X5 PAN	SEE3053501	

(Continued from page 13)
EXPLODED VIEW-1

REF.NO.	PARTS NO.	DESCRIPTION	REMARKS
1-38	5801514200	KNOB(B-GN) V-7010	
	5801411200	KNOB(B-B) V-7010B/V-5010	
1-39	5801514400	KNOB ASSY(GN) V-7010	
	5801411700	KNOB ASSY(B) V-7010B/V-5010	
1-40	*5800612400	BONNET SCREW,M3X8 BL V-5010	
1-41	*5801434100	PCB CUSHION	
1-42	*5801433300	SHAFT STOPPER	
1-43	*5730039500	STEEL BALL,2.5 PHI	
1-44	*5801509600	CUSHION ASSY	
1-50	*5783533008	SCREW,M3X8 BIND B-TITE NI BL	
1-51	*5783692604	SCREW,M2.6X4 BIND S-TITE BL	
1-52	*5783542608	SCREW,M2.6X8 BIND P-TITE NI BL	
1-53	*5783552604	SCREW,M2.6X4 PAN B-TITE NI BL	
1-54	*5780003003	SCREW,M3X3 BIND	
1-55	*5783032006	SCREW,M2X6 BIND S-TITE	
1-56	*5783732605	SCREW,M2.6X5 BIND B-TITE	
1-57	*5783032606	SCREW,M2.6X6 BIND S-TITE	
1-58	*5783012604	SCREW,M2.6X4 PAN B-TITE	
1-59	*5783753008	SCREW,B.H.P-T M3X8 CU	
1-60	*5783012004	SCREW,M2X4 PAN B-TITE	
1-61	*5780102602	SCREW,M2.6X2.5 PAN NI BL	
1-62	*5783603008	SCREW,M3X8 BIND P-TITE	
1-63	*5783763006	SCREW,M3X6 BIND B-TITE CU	

(Continued from page 19)
EXPLODED VIEW-4 (V-7010/V-7010B)

REF.NO.	PARTS NO.	DESCRIPTION		REMARKS
4-62	*5761835100	SCREW,M2.6X3 BIND	SEE3053701	
4-63	*5761833900	SCREW,TAP TITE	SEE2133404	
4-64	*5761856700	SCREW,M2X4 PAN S-TITE	SEE3057807	
4-65	*5761856400	WASHER	SEE1022848	
4-66	*5761856500	SCREW,M2X18 PAN	SEE3066601	
4-67	*5761855700	SCREW,M2.6X4	SEE3057828	

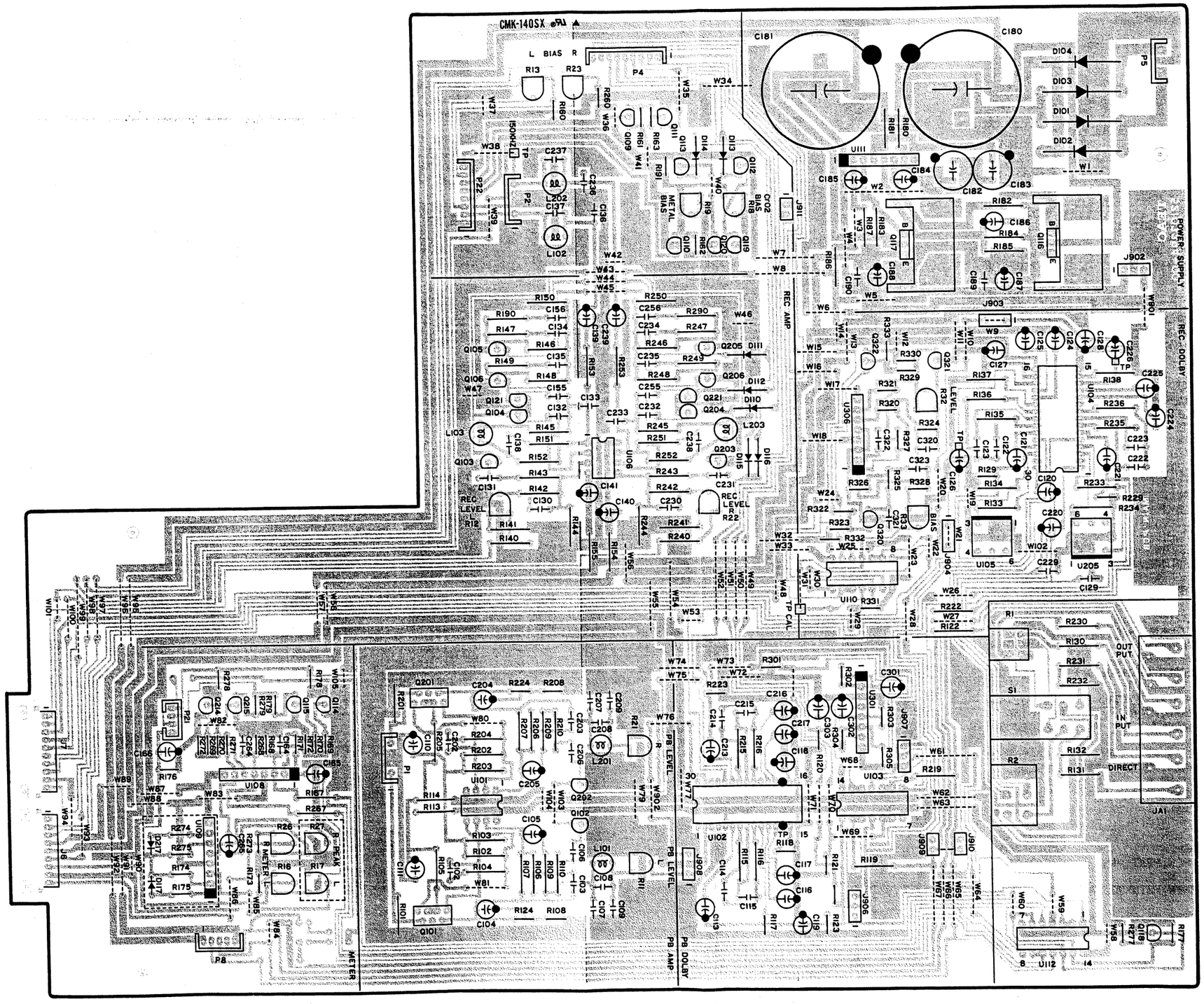
INCLUDED ACCESORIES

REF.NO.	PARTS NO.	DESCRIPTION	REMARKS
	*5700136200	OWNER'S MANUAL JAPANESE [J]	
	*5700136300	OWNER'S MANUAL ENGLISH [ALL EXCEPT J]	
	*5700136400	OWNER'S MANUAL MULTI [C,E]	
	*5744080200	REMO-CON.UNIT,RC-393 (V-5010)	
	*5744080300	REMO-CON.UNIT,RC-394 (V-7010/V-7010B)	
	5347006900	BATTERY, [J]	
	5347007000	BATTERY,(GE) [ALL EXCEPT J]	
	5350017300	PIN PLUG CORD	

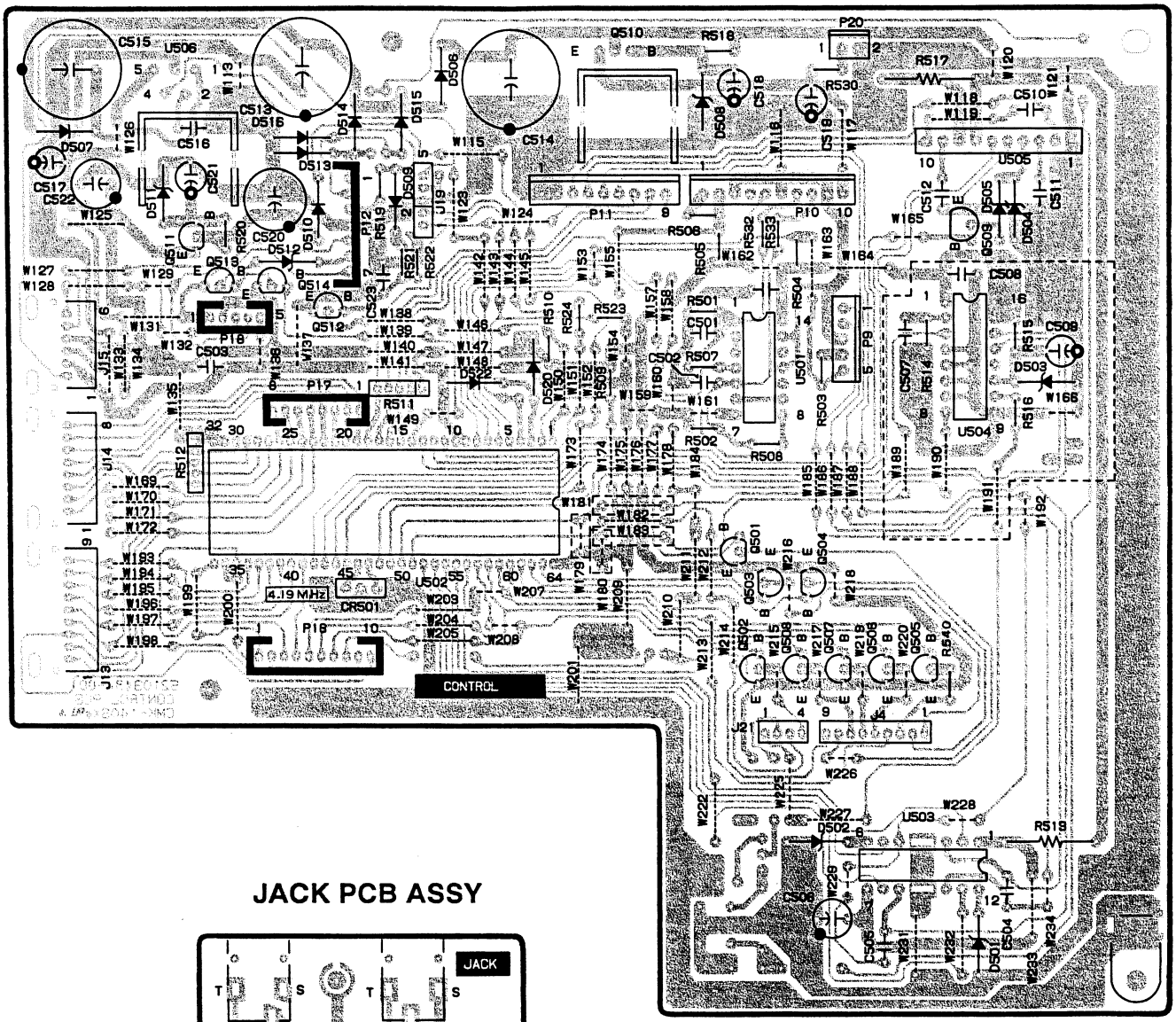
6 PC BOARDS AND PARTS LIST

基板図とパーツリスト

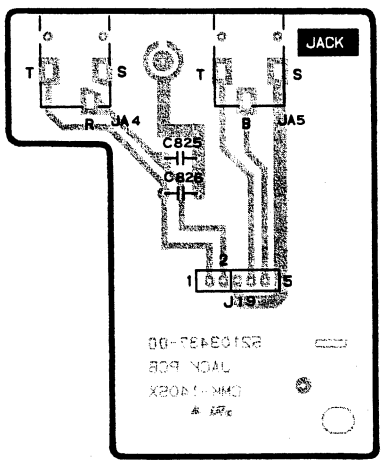
MAIN PCB ASSY



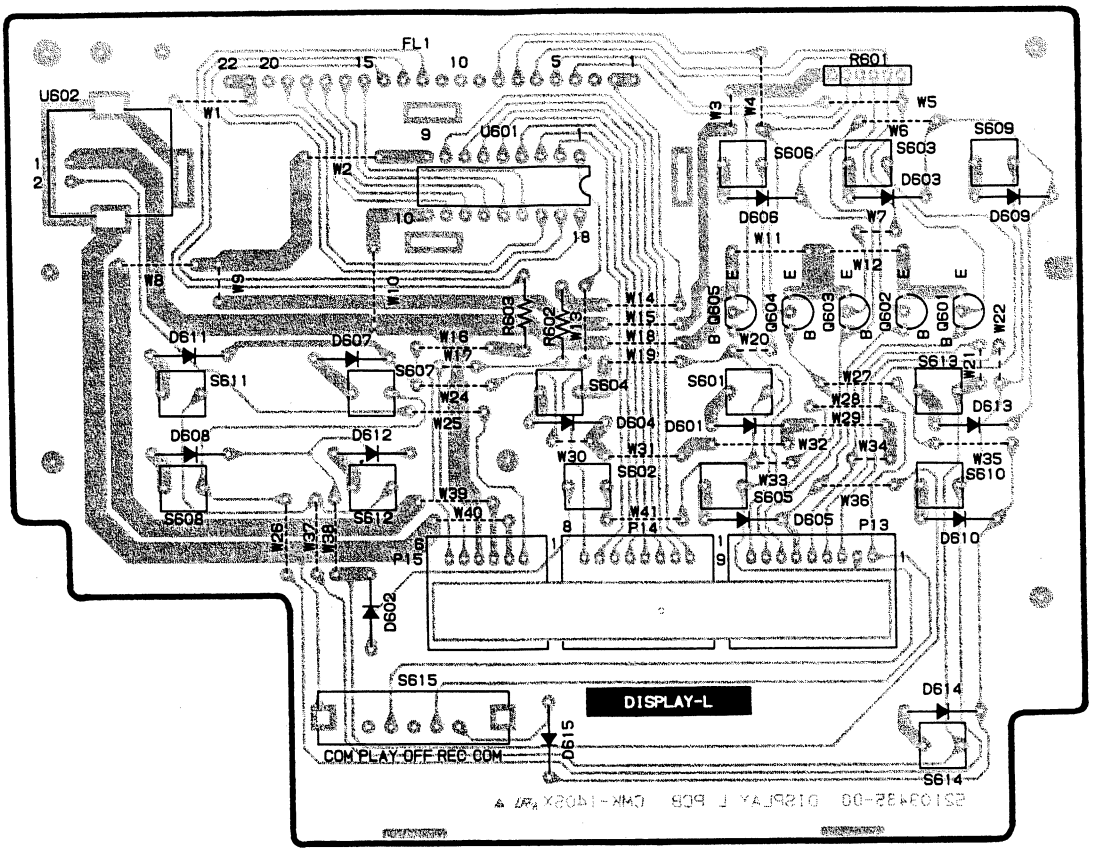
CONTROL PCB ASSY



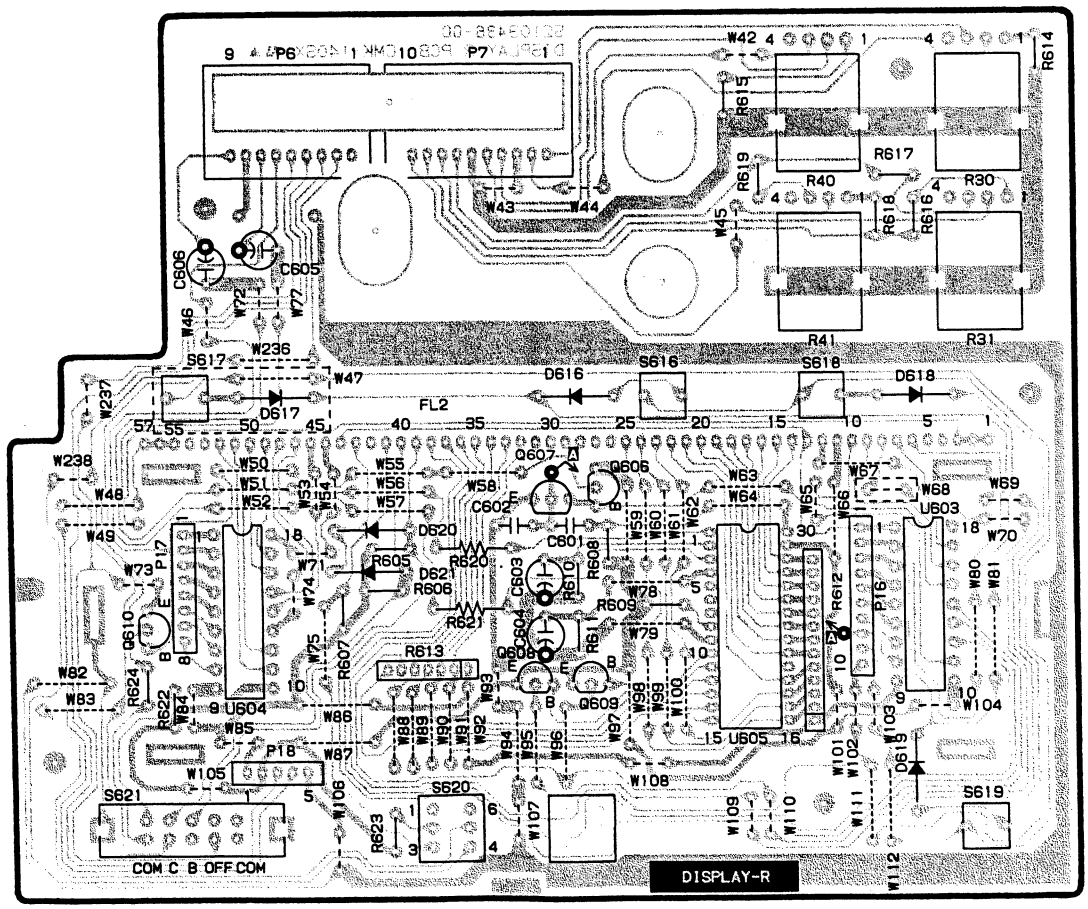
JACK PCB ASSY



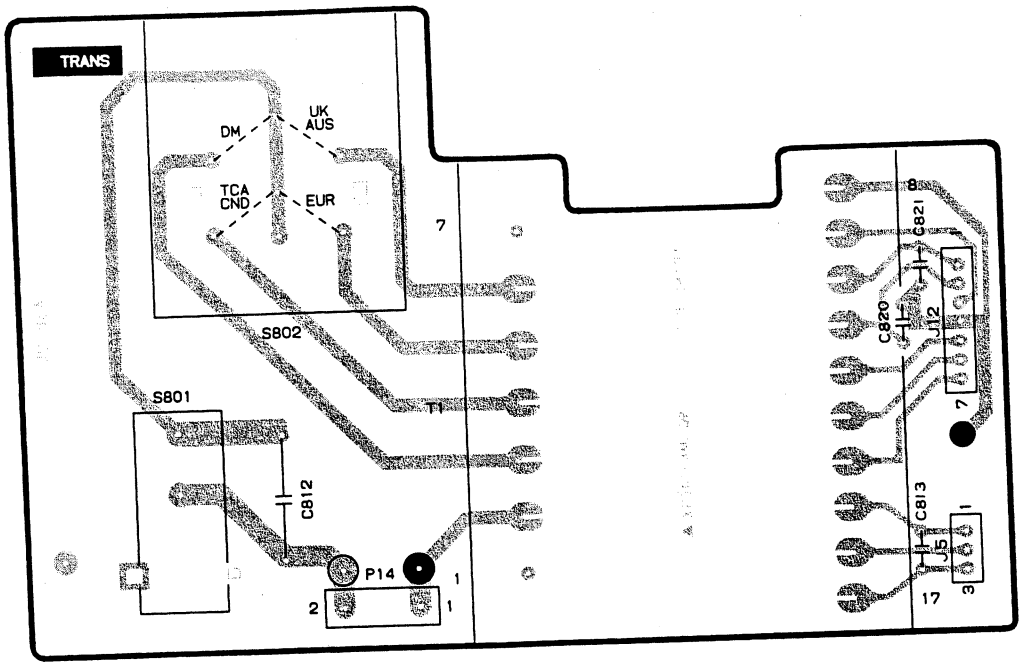
DISPLAY L PCB ASSY



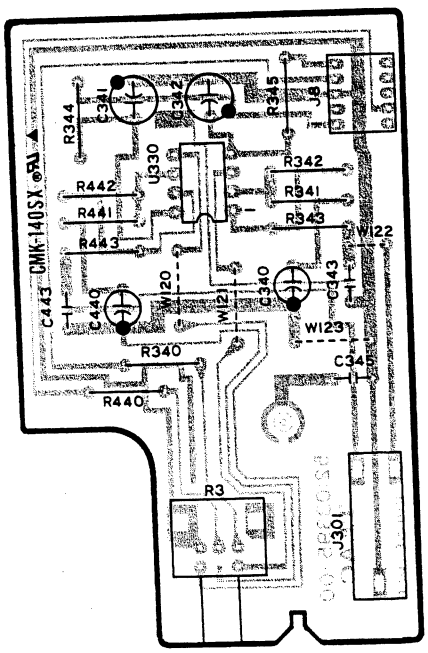
DISPLAY R PCB ASSY



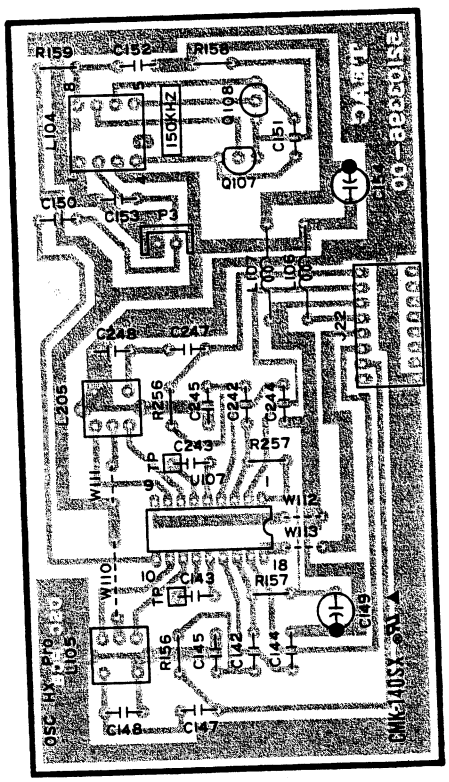
TRANS PCB ASSY



PHONE PCB ASSY



OSC PCB ASSY



MAIN PCB ASSY (V-7010/V-5010)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200339400	MAIN PCB ASSY(V-7010)
	*5200343100	MAIN PCB ASSY(V-5010)
	*5210339400	MAIN PCB
	*5730039200	HEAT SINK,OSH-2425-SPL
	*5801511800	VR BRACKET
U101	5220426900	IC, M5220P
U102	5220444700	IC, CXA1330S
U103	5220041100	IC, BU4066B
U104	5220444700	IC, CXA1330S
U105,205	5292810000	MPX LOW PASS FILTER
U106	5220418800	IC, M5218P
U108	5220440600	IC, NJM4565L
U109	5220440600	IC, NJM4565L(V-7010)
U110	5220041100	IC, BU4066B
U111	5220425800	IC, M5230LA
U112	5220041100	IC, BU4066B
U301	5220426200	IC, M51143AL
U306	5220440600	IC, NJM4565L
Q101,201	5232008600	FET,2SK389BL
Q102-106	5232255720	TR, DTC124ES
Q109	5230019020	TR, 2SA933SLN
Q110	5230780920	TR, 2SC2603F
Q111-113	5232255720	TR, DTC124ES
Q114,214	5230780920	TR, 2SC2603F
Q115,215	5230780920	TR, 2SC2603F
Q116	5231762800	TR, 2SD1913
Q117	5230509700	TR, 2SB1274R
Q118	5232255720	TR, DTC124ES
Q119-120	5232254820	TR, DTA124ES
Q121,221	5232255720	TR, DTC124ES
Q202-206	5232255720	TR, DTC124ES
Q320-321	5230780920	TR, 2SC2603F
Q322	5232255720	TR, DTC124ES
D101-104	5224018700	DIODE,1N5402
D110-116	5224012920	DIODE,1S2473
D117,217	5224015020	DIODE,1SS133T-77(V-7010)
R1	5282417700	VR.,100KMN 1S2UVR 9
R2	5282418800	VR.,20KX2 1S2UVR 16
R11,21	5280021100	R.,TRIMMER 4.7KB
R12,22	5280021100	R.,TRIMMER 4.7KB
R13,23	5280021300	R.,TRIMMER 10KB
R16,26	5280021100	R.,TRIMMER 4.7KB
R17,27	5280021700	R.,TRIMMER,47KB(V-7010)
R18	5280021700	R.,TRIMMER,47KB
R19	5280021100	R.,TRIMMER 4.7KB
R32	5280021700	R.,TRIMMER,47KB
R33	5280020900	R.,TRIMMER 2.2KB
C180-181	⚠5262016000	C.,ELEC. 6800UF/25V
L101,201	5286041420	CHOKE COIL,27MH
L102,202	5286041420	CHOKE COIL,27MH
L103,203	5286040520	CHOKE COIL,4.7MH
S1	5300054500	SW.,PUSH SPUL 2-2 NS
JA1	5330515000	PIN JACK,6P

CONTROL PCB ASSY (V-7010/V-5010)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200343400	CONTROL PCB ASSY(V-7010)
	*5200341400	CONTROL PCB ASSY(V-5010)
	*5210343400	CONTROL PCB
	*5800990100	HEAT SINK
	*5555590000	EARTH PLATE(A)
U501	5220017200	IC, HD14069UBP,
U502	5220824300	IC, UPD75106CW-176
U503	5220430200	IC, LB1649
U504	5220091000	IC, LC7910(V-7010)
U505	5220444900	IC, BA6219
U506	5220430300	IC, L78MR05
Q501-508	5232254820	TR, DTA124ES
Q509	5232255720	TR, DTC124ES
Q510	5231762800	TR, 2SD1913R
Q511	5145085000	TR, 2SA934R
Q512	5230780920	TR, 2SC2603F
Q513	5232255720	TR, DTC124ES
Q514	5232254820	TR, DTA124ES
D501	5224575301	DIODE,ZENER RD10EL2
D502	5224574701	DIODE,ZENER RD8.2EL2
D503	5224581200	DIODE,ZENER HZ2BLL
D504	5224572901	DIODE,ZENER RD4.7EL2
D505	5224571801	DIODE,ZENER RD3.0FL2
D506-507	⚠5224018820	DIODE,1A3 1A200V
D508	5224576001	DIODE,ZENER RD12EL2
D509	5224012920	DIODE,1S2473
D510	⚠5224018820	DIODE,1A3 1A200V
D511	5224579401	DIODE,ZENER RD33ELI
D512	5224573201	DIODE,ZENER RD5.1EL2
D513-516	⚠5224018820	DIODE,1A3 1A200V
D520	5224012920	DIODE,1S2473
D522	5224012920	DIODE,1S2473
R511-512	5242122900	R.,ARRAY RYLS-4J223
R513	⚠5241282310	R.,INCOMBUSTIBLE 2W 5.6
R517	⚠5241284310	R.,INCOMBUSTIBLE 2W 39
C513	⚠5260466210	C.,ELEC. 2200UF/25V
C514	⚠5260467310	C.,ELEC. 4700UF/25V
C515	⚠5260466210	C.,ELEC. 2200UF/25V
CR501	5347017700	OSC UNIT,EFO-GC4194A4

PHONE PCB ASSY (V-7010/V-5010)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200339500	PHONE PCB ASSY
	*5210316001	PHONE PCB
U330	5220418800	IC, M5218P
R3	5282417900	VR.,20KAX2 1S2UVR 9
J301	5330016600	JACK,3P FJ333DAB-Z

DISPLAY L.PCB ASSY (V-7010/V-5010)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200343500	DISPLAY L.PCB ASSY
	*5210343500	DISPLAY L.PCB
	*5801408200	FL HOLDER(B)
U601	5232253300	TR, ARRAY LB1240
U602	5292209500	MODULE,SBX1483-52
Q601-605	5232254820	TR, DTA124ES
D601-615	5224012920	DIODE,1S2473
FL1	5347017900	FL COUNTER,5-BT-121GK
R601	5242125500	R.,ARRAY RYLS-5J104
R602-603 !	5181978000	R.,INCOMBUSTIBLE 1/2W 15
S601-614	5302108600	SW.,TACT SKHVBE
S615	5300916400	SW.,SLIDE 1-3 SSSU01

DISPLAY R.PCB ASSY (V-7010/V-5010)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200343600	DISPLAY R.PCB ASSY(V-7010)
	*5200343900	DISPLAY R.PCB ASSY(V-5010)
	*5210343600	DISPLAY R.PCB
	*5801408100	FL HOLDER(A)
U603-604	5232253300	TR, ARRAY LB1240
U605	5220443400	IC, BA6800AS
Q606	5232254820	TR, DTA124ES
Q607,610	5232255720	TR, DTC124ES
Q608,609	5232254820	TR, DTA124ES
D616	5224012920	DIODE,1S2473
D617	5224012920	DIODE,1S2473(V-7010)
D618-621	5224012920	DIODE,1S2473
S616	5302108600	SW.,TACT SKHVBE
S617	5302108600	SW.,TACT SKHVBE(V-7010)
S618-619	5302108600	SW.,TACT SKHVBE
S620	5300055300	SW.,PUSH 2-2 SPEC
S621	5300916900	SW.,SLIDE 2-3
R30,40	5282022800	VR.,5KB 1S1UVR 11
R31,41	5282022800	VR.,5KB 1S1UVR 11
R612	5242126100	R.,ARRAY RYLS-12J104
R613	5242125600	R.,ARRAY RYLS-6J104
FL2	5347017800	FL METER,BG-845GK

TRANS PCB ASSY (V-7010/V-5010)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200343800	TRANS PCB ASSY, [J]
	*5200343810	TRANS PCB ASSY, [US,C]
	*5200343830	TRANS PCB ASSY, [GE]
	*5200343840	TRANS PCB ASSY, [E]
	*5200343850	TRANS PCB ASSY, [UK]
	*5200343860	TRANS PCB ASSY, [A]
	*5210343800	TRANS PCB
	*5327009200	LAPPING TERMINAL [E,UK,A]
T1	⚠ 5320059901	POWER TRANSFORMER
	⚠ 5350015600	AC CORD,[J]
	⚠ 5350010800	AC CORD,SPT-1 [GE]
	⚠ 5350017500	AC CORD,CLASS-2 [E]
	⚠ 5350017800	AC CORD,UL/CSA [US,C]
	⚠ 5128047000	AC CORD,BS [UK]
	⚠ 5350008300	AC CORD,SAA 2-LEAD [A]
C812	⚠ 5267704000	SPARK,KILLER 0.0047UF/250V
C813	⚠ 5173433000	C.,CERAMIC 0.01UF/50V
C820-821	⚠ 5267020420	C.,CERAMIC 0.1UF/50V
S801	⚠ 5300054700	SW.,PUSH SDDLD 1-1
S802	⚠ 5332027700	VOLTAGE SELECTOR [GE]

OSC PCB ASSY (V-7010/V-5010)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200339600	OSC PCB ASSY
	*5210339600	OSC PCB
U107	5220430400	IC, UPC1297CA
Q107-108	5230780920	TR, 2SC2603F
L104	5286042800	OSC COIL
L105,205	5286041800	STEP UP COIL
L106-107	5286031000	CHOKE COIL,220UH LAL04NA

JACK PCB ASSY (V-7010/V-5010)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200343700	JACK PCB ASSY
	*5210343700	JACK PCB
JA4	5330016700	JACK,3P YKB21-5130

TEAC SCHEMATIC DIAGRAM V-7010

MAIN PCB					
U101	M5220	Q101, Q201	2SK389	Q118	DTC124ES
U102	CXA1330	Q102, Q202	DTC124ES	Q119	DTA124
U103	BU4066	Q103, Q203	DTC124ES	Q120	DTA124
U104	CXA1330	Q104, Q204	DTC124ES	Q121, Q221	DTC124ES
U105, U205	MPX FILTER	Q105, Q205	DTC124ES		
U106	M5218P	Q106, Q206	DTC124ES	Q320	2SC1740SLN
U108	NJM4565L	Q109	2SA933SLN	Q321	2SC1740SLN
U109	NJM4565L	Q110	2SC2603	Q322	DTC124ES
U110	BU4066	Q111	DTC124ES		
⚠U111	M5230LA	Q112	DTC124ES		
U112	BU4066	Q113	DTC124ES	⚠D101 ~ D104	1N5402
		Q114, Q214	2SC2603F		
U301	M51143AL	Q115, Q215	2SC2603F	D110 ~ D116	1S2473
		⚠Q116	2SD1913	D117, D217	1S2473
U306	NJM4565L	⚠Q117	2SB1274R		

OSC PCB	
U107	μPC1297CA
Q107	2SC2603F
Q108	2SC2603F

PHONE PCB	
U330	M5218P

GENERAL EXPORT

U. K., AUSTRALIA

EUROPE

JAPAN

U. S. A.
CANADA

TRANS PCB

CONTROL PCB

MAIN PCB

OSC PCB

INSTRUCTIONS FOR SERVICE PERSONNEL

BEFORE RETURNING APPLIANCE TO THE CUSTOMER, MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT.

NOTES:

1. Resistor values are in ohms (k=kilo-ohms, M=megohms).
2. Capacitor values are in microfarads (p=picofarads).
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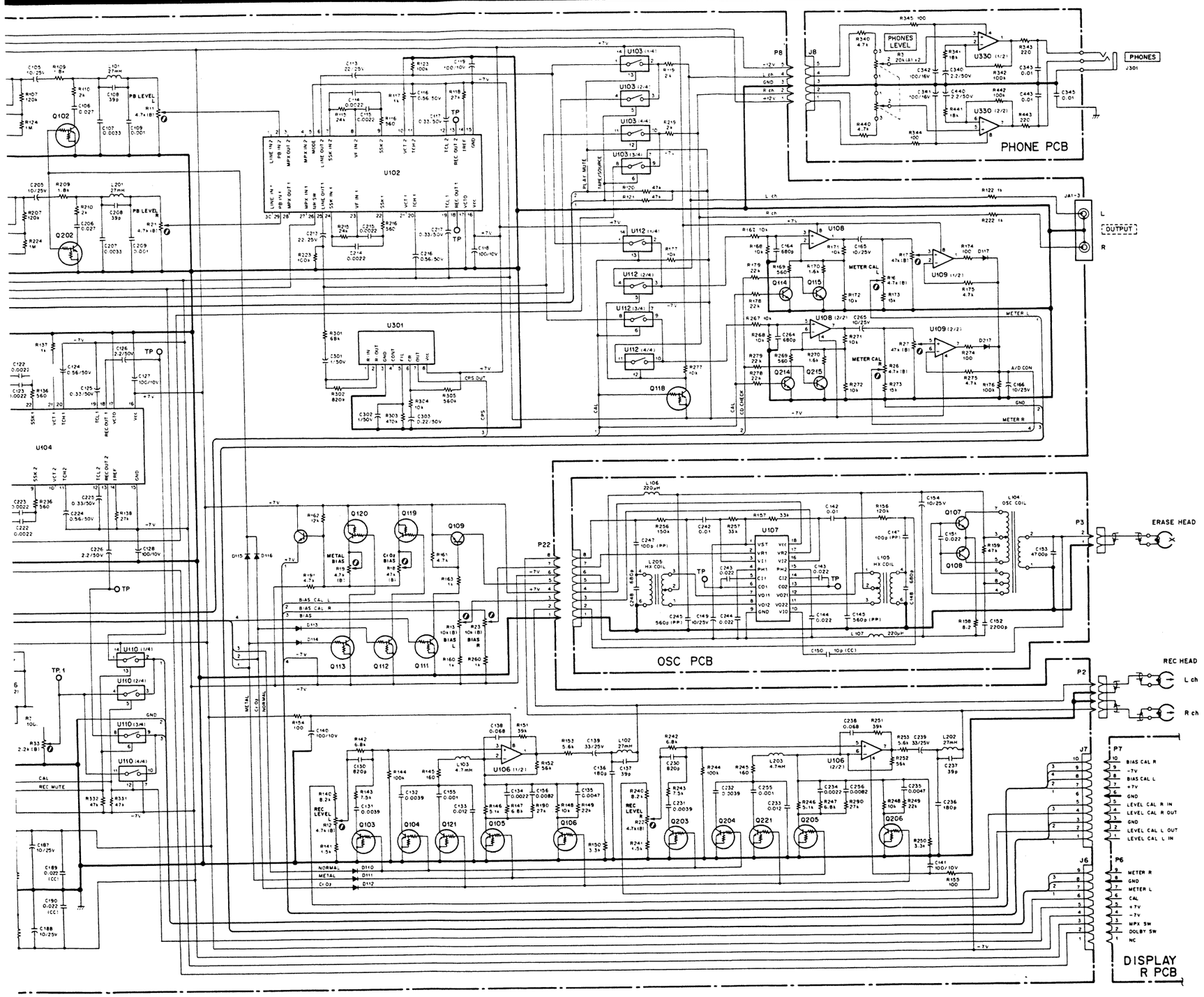
Ia



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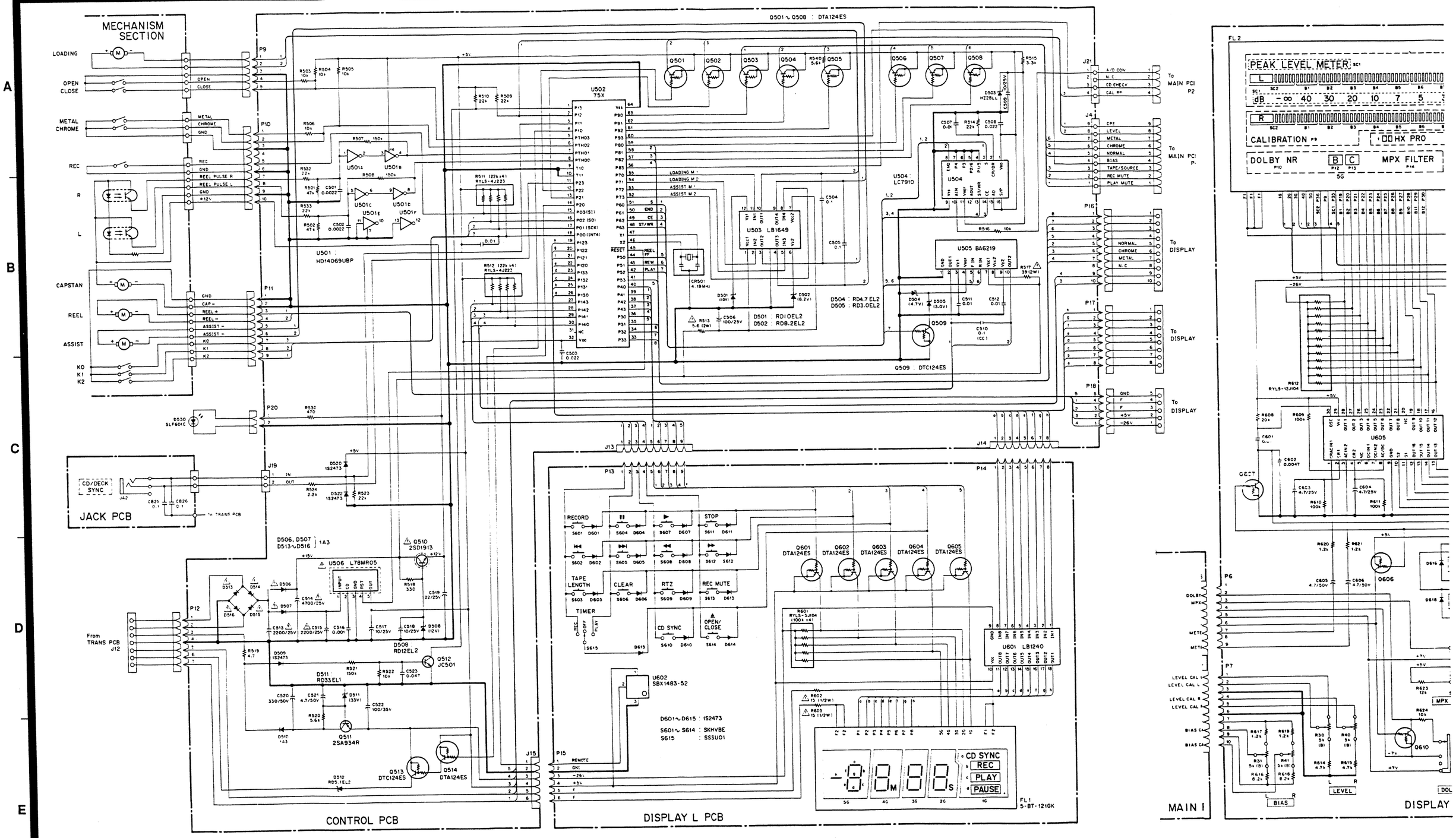
Stereo Cassette Deck **V-7010**

1 st Issue; September 1992

I6

TEAC SCHEMATIC DIAGRAM V-7010



INSTRUCTIONS FOR SERVICE PERSONNEL

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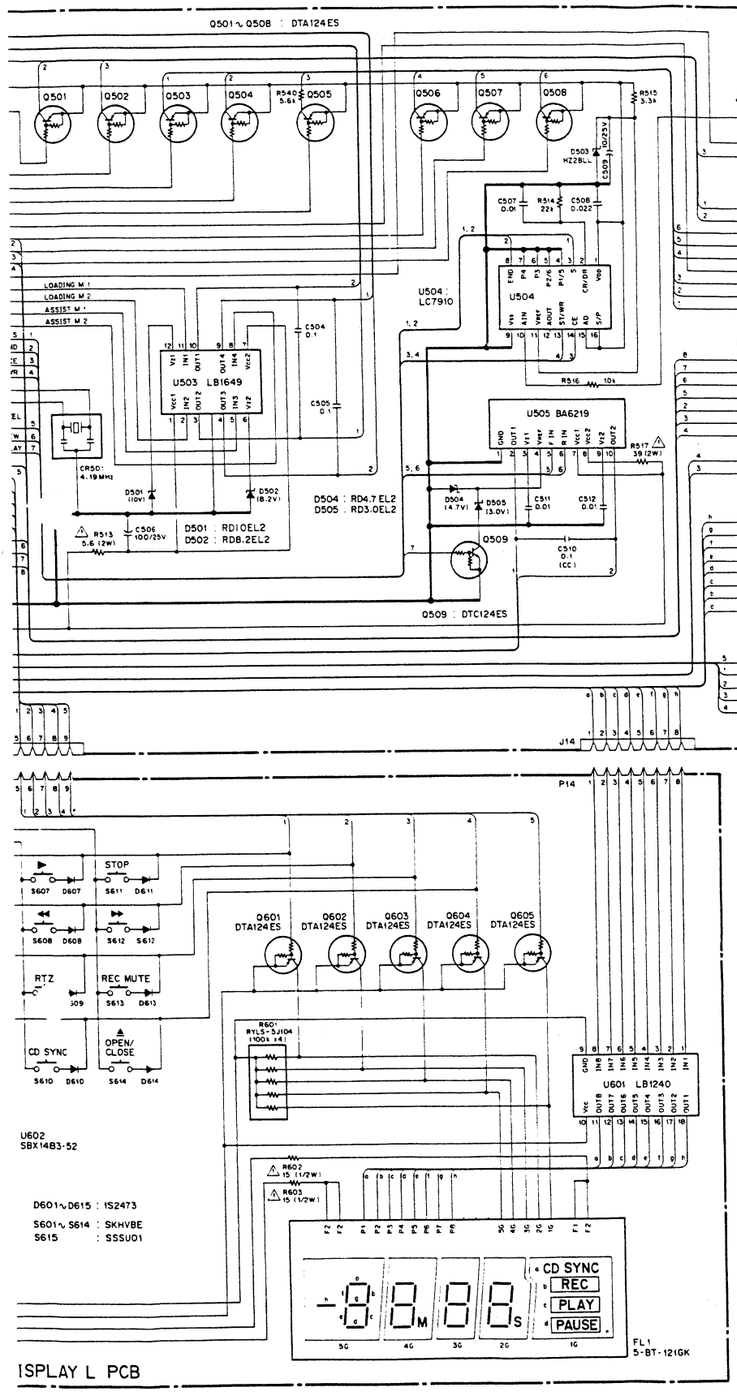
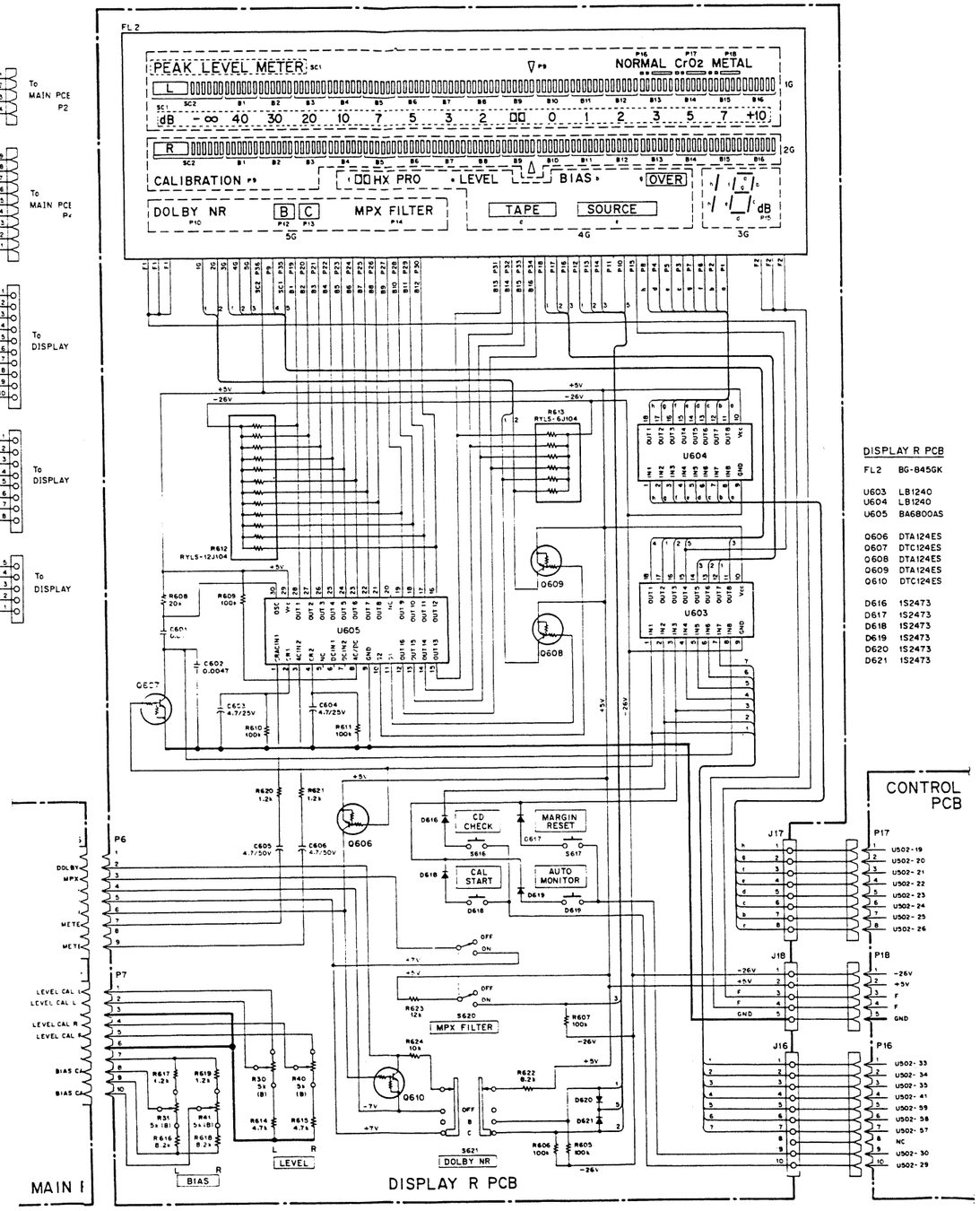
II-9



ISPLAY L PCB



DISPLAY R PCB

FL2	BG-8455GK
U603	LB1240
U604	LB1240
U605	BA6800AS
Q606	DTA124ES
Q607	DTC124ES
Q608	DTA124ES
Q609	DTA124ES
Q610	DTC124ES
D616	1S2473
D617	1S2473
D618	1S2473
D619	1S2473
D620	1S2473
D621	1S2473

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II 6

TEAC SCHEMATIC DIAGRAM V-5010

MAIN PCB

U101	M5220	Q101 , Q201	2SK389	Q118	DTC124ES
U102	CXA1330	Q102 , Q202	DTC124ES	Q119	DTA124
U103	BU4066	Q103 , Q203	DTC124ES	Q120	DTA124
U104	CXA1330	Q104 , Q204	DTC124ES	Q121,Q221	DTC124ES
U105, U205	MPX FILTER	Q105 , Q205	DTC124ES		
U106	M5218P	Q106 , Q206	DTC124ES	Q320	2SC1740SLN
		Q109	2SA933SLN	Q321	2SC1740SLN
U109	NJM4565L	Q110	2SC2603	Q322	DTC124ES
U110	BU4066	Q111	DTC124ES		
⚠ U111	M5230LA	Q112	DTC124ES		
U112	BU4066	Q113	DTC124ES		
		Q114 , Q214	2SC2603F	⚠ D101 ~ D104	1N-5402
U301	M51143AL	Q115 , Q215	2SC2603F		
		⚠ Q116	2SD1913	D110 ~ D116	1S2473
U306	NJM4565L	⚠ Q117	2SB1274R		

OSC PCB

U107	μPC1297CA
Q107	2SC2603F
Q108	2SC2603F

PHONE PCB

U330	M5218P

GENERAL EXPORT

U. K., AUSTRALIA

EUROPE

JAPAN

U. S. A.
CANADA

TRANS PCB

CONTROL PCB

MAIN PCB

OSC PCB

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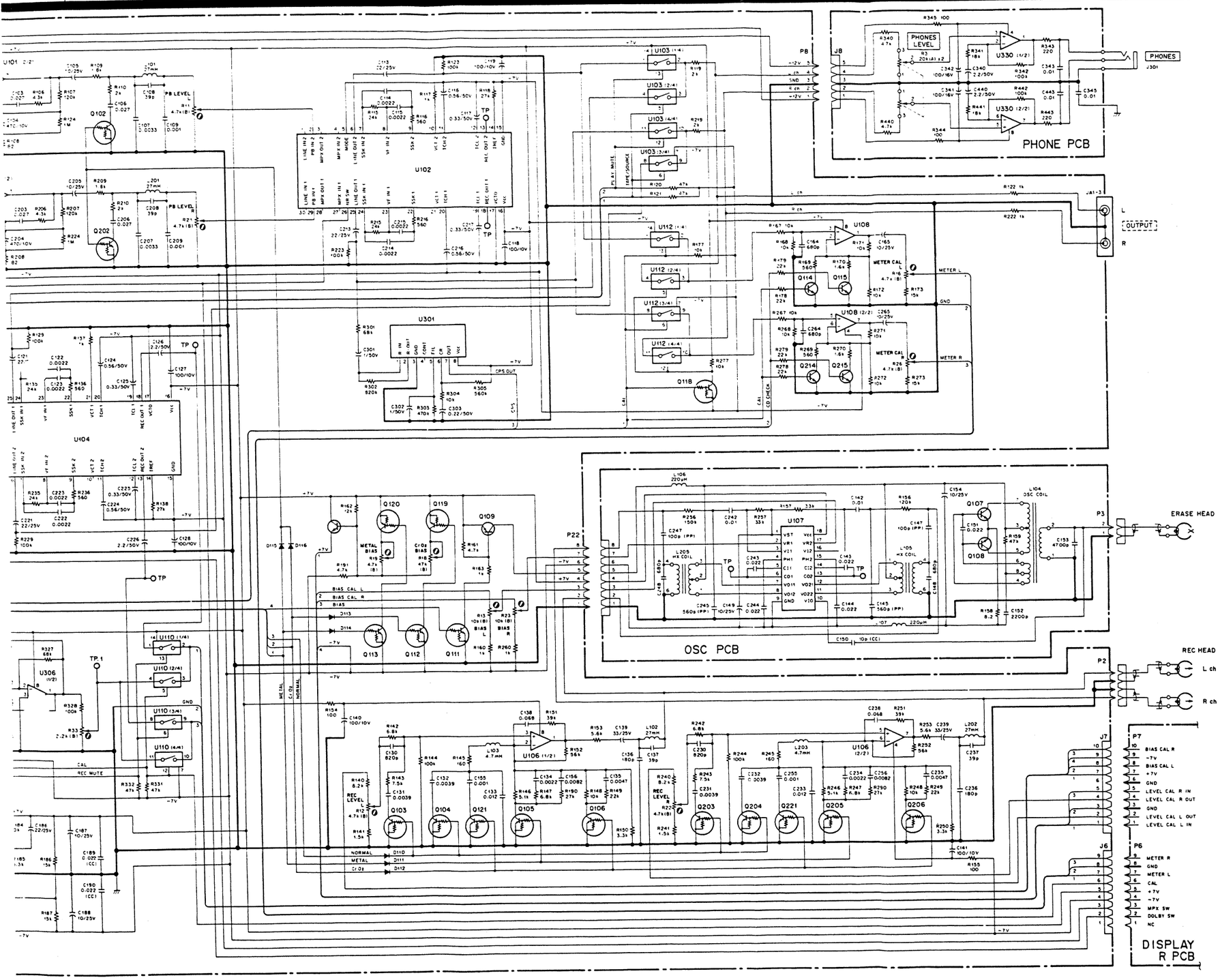
III 9



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Stereo Cassette Deck V-5010

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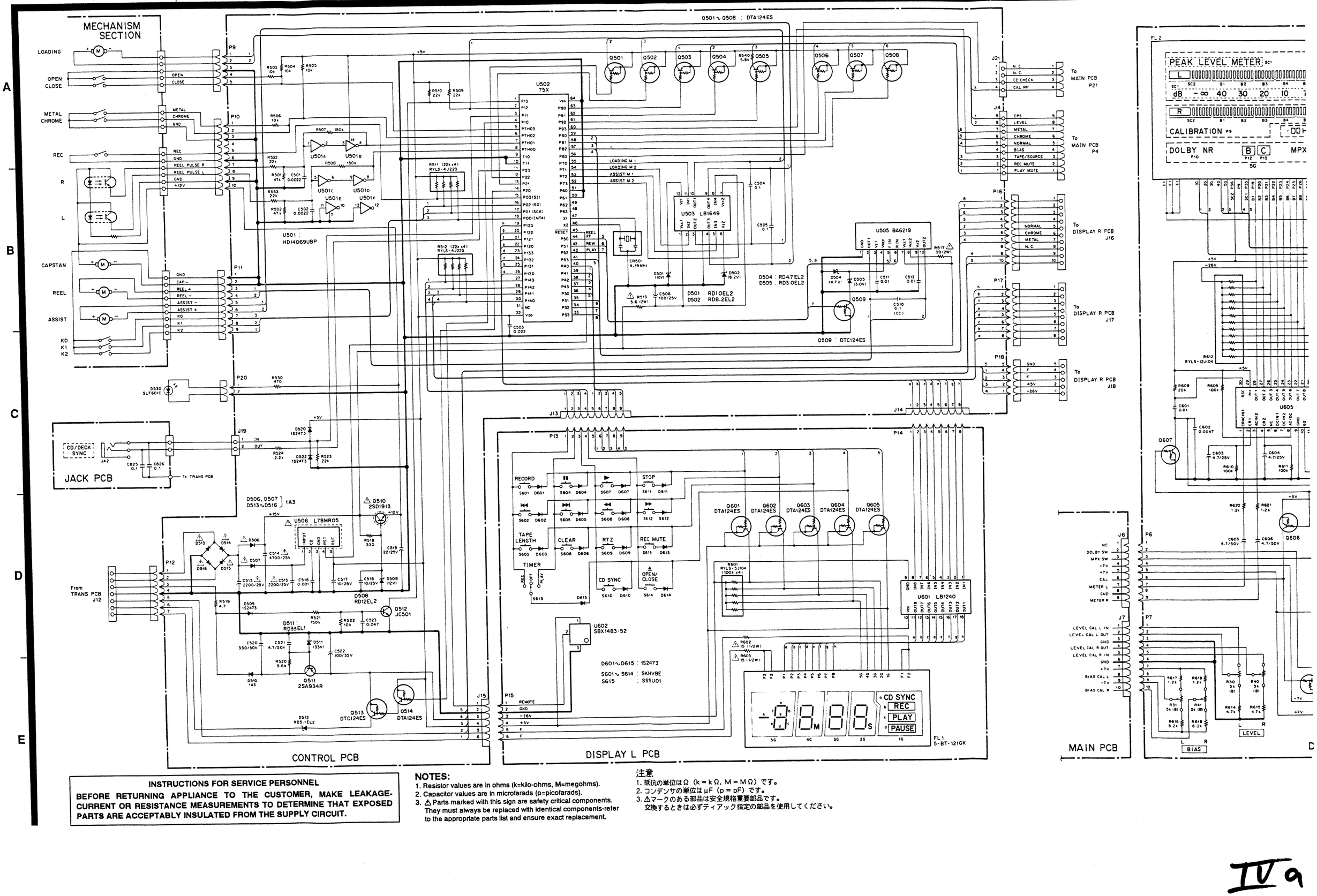
TEAC SCHEMATIC DIAGRAM V-5010



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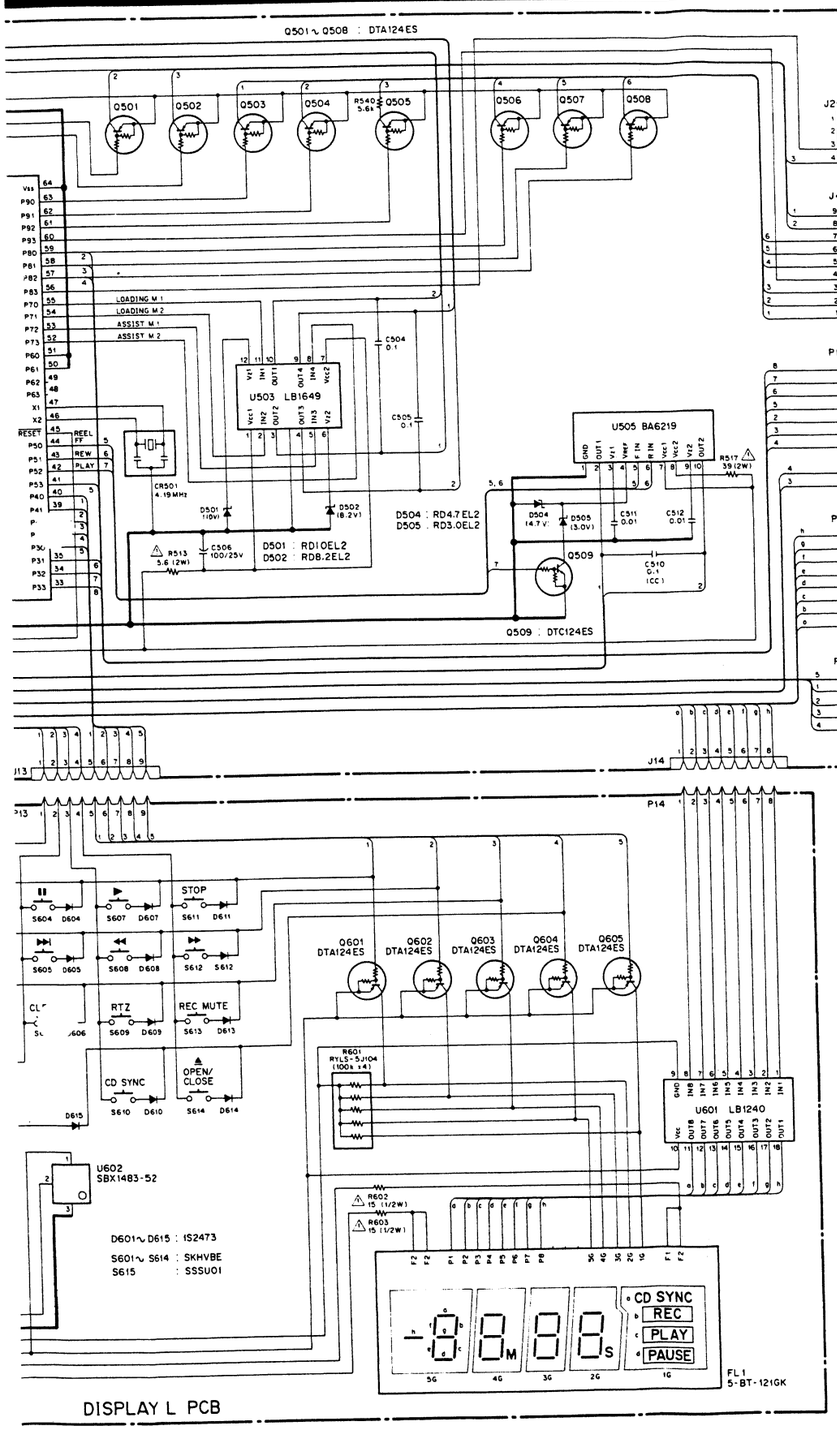
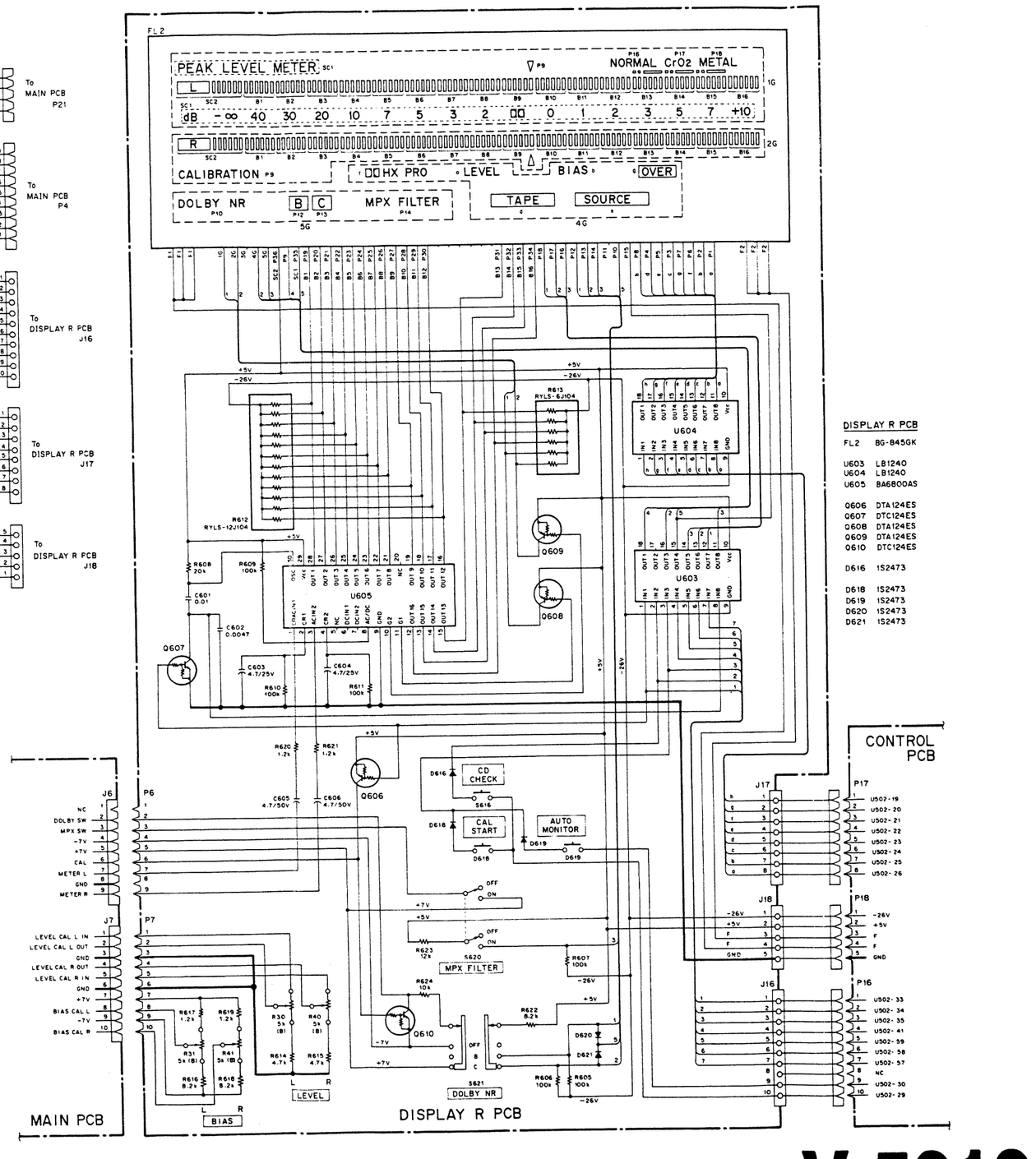
IV 9





DISPLAY R PCB

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D619 1S2473
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, M=megohms).
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IV 6